**­Methodological Appendix**

Nonemployment Statistics

The first step for calculating adjusted nonemployment disparity rate was calculating nonemployment rates for blacks and whites using CPS data from each year. Because CPS data was available from 1979 through 2013, I calculated this rate for each of them. Following Western’s methodology, these statistics were calculated only for noncollege males ages 22-30, for single-race whites and single-race blacks, with a comparison between the nonemployed part of the population and the population as a whole. An example year, 1979, is below with comments:

#Data -- 1979 (example year)

library(foreign) #This allows R to use the read.dta command for the dta CPS files

data1979 <- read.dta("morg79.dta")

data1979a <- data1979 #Creating a duplicate is faster than loading the entire dataset into R twice

#This limits the sample size to males; I exclude NAs for all these variables because their meaning is unclear

data1979a <- data1979a[data1979a$sex == "Male", ]

data1979a <- data1979a[is.na(data1979a$sex) == FALSE, ]

#Limits the sample to people ages 22-30

data1979a <- data1979a[data1979a$age < 31, ]

data1979a <- data1979a[data1979a$age > 21, ]

data1979a <- data1979a[is.na(data1979a$age) == FALSE, ]

#Here I consider only blacks; the code is repeated for whites using data1979a

black1979 <- data1979a[data1979a$race == "Black", ]

black1979 <- black1979[is.na(black1979$race) == FALSE, ]

#This limits the sample to people who have not completed any year of college and aren’t currently in school. This isn’t perfect, because they could be currently in high school.

black1979 <- black1979[black1979$gradeat < 13, ]

black1979 <- black1979[is.na(black1979$gradeat) == FALSE, ]

black1979 <- black1979[is.na(black1979$doinglw) != "At School", ]

#The variable here measures labor activity; this gives the number in the total population so I can calculate the ratio later.

black1979 <- black1979[is.na(black1979$ftpt79) == FALSE, ]

nrow(black1979)

#This eliminates people who are employed from the sample, leaving only the nonemployed

black1979a <- black1979[black1979$ftpt79 != "Employed full-time", ]

black1979a <- black1979a[black1979a$ftpt79 != "Part-time For Economic Reasons", ]

black1979a <- black1979a[black1979a$ftpt79 != "Employed PT", ]

black1979a <- black1979a[is.na(black1979a$ftpt79) == FALSE, ]

nrow(black1979a)

#This gives the nonemployment rate for blacks (number of nonemployed divided by total population)

nrow(black1979a)/nrow(black1979)

#This is then repeated with whites, starting with

data1979a <- data1979

#and being different only in this line and subsequent use of the variables white1979 and white1979a

white1979 <- data1979a[data1979a$race == "White", ]

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This gives me the rate of unemployment, by race, for the year 1979; it is repeated with each other year. The variables changed a bit from year to year; changes included the reclassification of some variables as numbers (e.g., sex=1 for males, race=1 for single-race whites), changes in years (gradeat became grade92, starting in 1992), and the change from ftpt79 (measuring whether work was full-time, part-time, or neither) to lfsr94 (directly measuring employment, unemployment, and not being in the labor force). The full R code is included in the electronic file for anyone interested in reproducing my work exactly.

Most of the rest of the work was done in excel (excel file also attached). The unadjusted disparity ratio was calculated by dividing the rate for blacks by the rate for whites. Calculation of the adjusted ratio was a bit more complicated. Data from reports named “Prisoners in 2000”, etc. from the Bureau of Justice Statistics give number of prisoners per 100,000 by race, sex, and age combinations, as well as total number of prisoners in those categories. Their age categories didn’t line up perfectly, however (they were 20-24, 25-29, 30-34, and other ones irrelevant to this analysis). I used the number for prisoners ages 25-29 directly, then used 4/5 of the number ages 20-24 to estimate the number for ages 22, 23, 24, and 30 (this is a conservative estimate for age 30 since the number for 30-34 was consistently than that of 20-24, but it reports the 22-24 data more accurately and I prefer to be slightly conservative in my statistical estimates). With the total number and the rates in each category, I calculated the total population of black/white males ages 22-30 and divided the number of prisoners by that number to get the overall rate [an example column in the excel document looks like this (E2+F2)/(E2/I2+F2/J2) ]. (This works better than just averaging the rates directly, because the size of the total U.S. population ages 20-24 might be significantly different from the size of the population ages 25-29.) I then calculated the adjusted rate of nonemployment for each race [ (1-M2/100000)\*B2+M2/100000 ; I multiply the unadjusted nonemployment rate by (1-M2/100000) rather than simply add the rates because the CPS doesn’t count prisoners in the total population *or* in the nonemployed population], and finally the adjusted ratio.

Unlike Western, I did not attempt to adjust for jail inmates or reclassify military personnel as employed. This was for two main reasons: first, I couldn’t find reliable data and jail inmates (i.e., it was less specific than prison data, and it didn’t go beyond 2002[[1]](#footnote-1)), and also because the number of black male jail inmates is roughly equal to the number of black military men (and both populations are skewed towards younger men) so my prediction is that they would roughly cancel each other out.

Code for creating graphs in ggplot2

library(ggplot2)

#My first graph is a recreation of Bruce Western’s graph in *Punishment and*

*#Inequality in America*. Before creating the graph featured in my paper, I

#estimated his number and then created this picture, which overlays his

#original graph with a graph I created by using estimates in the data. Here’s

#the comparison picture; as you can see both the points and the loess lines

#are close matches, and the scales are aligned:



#Below is the code used to make this graph, which is also the one

#used in my paper. This csv includes both the data from my analysis

#of CPS data and the numbers from Western, so this first command

#restricts it to data from Western for this graph:

data <- read.csv("Western.csv")

data2 <- data[data$Author == "Western", ]

ggplot(data2, aes(x=Year,y=Disparity,color=Data)) +

geom\_smooth(fill="white") +

geom\_point(size=3) +

ggtitle("Black-White Disparity Ratio in Joblessness, Noncollege Men Ages 22-30") +

scale\_x\_continuous(limits = c(1980,2000)) +

scale\_y\_continuous(limits = c(1.7,3.1)) +

opts(panel.background = theme\_rect(fill = "transparent",colour = NA))

#For my next graph, I compare my CPS-generated data with

#Western’s. The syntax is essentially the same, except that

#now shapes are used to distinguish my data from his:

data <- read.csv("Western.csv")

ggplot(data, aes(x=Year,y=Disparity,color=Author,shape=Data)) +

geom\_smooth(fill="white") +

geom\_point(size=3) +

scale\_shape\_manual(values=c(10,19)) +

ggtitle("Comparing my Data with Western’s") +

scale\_x\_continuous(limits = c(1980,2000)) +

scale\_y\_continuous(limits = c(1.7,3.2)) +

#xlab("Year") + ylab("Black-White Disparity Ratio")

opts(panel.background = theme\_rect(fill = "transparent",colour = NA))

#This graph includes the full range of my data. The biggest change

#from before is that the limits of the graph have changed. It’s

#also uploaded from a different csv file; while my original csv

#file had all the data I use, I found it more convenient to create

#additional files, with each one being optimally formatted for

#whichever graph I was making. The other main change here is

#the removal of loess lines. Code below:

data <- read.csv("Fulldata.csv")

ggplot(data, aes(x=Year,y=Ratio,color=Type)) +

#geom\_smooth(fill="white") +

geom\_point(size=3) +

#scale\_shape\_manual(values=c(10,19)) +

ggtitle("Disparity Ratios, Full Data Set") +

scale\_x\_continuous(limits = c(1979,2013)) +

scale\_y\_continuous(limits = c(1.7,3)) +

opts(panel.background = theme\_rect(fill = "transparent",colour = NA))

#For my final graph, I look at the nonemployment rates of

#whites and blacks and compare them. Like the previous

#graph, this lacks loess lines (largely because the change in

#employment around 2008 was *not* smooth, and loess lines

#push the change back to 2000; I also use a different csv

#file with a different set of data:

data <- read.csv("RacialNonemployment.csv")

ggplot(data, aes(x=Year,y=Rate,color=Race)) +

#geom\_smooth(fill="white") +

geom\_point(size=3) +

#scale\_shape\_manual(values=c(10,19)) +

ggtitle("Nonemployment Rate of Noncollege Men Ages 22-30, by Race") +

#scale\_x\_continuous(limits = c(1980,2000)) +

#scale\_y\_continuous(limits = c(1.7,3.1)) +

opts(panel.background = theme\_rect(fill = "transparent",colour = NA))

#Data -- 1979

library(foreign)

data1979 <- read.dta("morg79.dta")

data1979a <- data1979

#Men

data1979a <- data1979a[data1979a$sex == "Male", ]

data1979a <- data1979a[is.na(data1979a$sex) == FALSE, ]

#Ages 22-30

data1979a <- data1979a[data1979a$age < 31, ]

data1979a <- data1979a[data1979a$age > 21, ]

data1979a <- data1979a[is.na(data1979a$age) == FALSE, ]

#Race restriction

black1979 <- data1979a[data1979a$race == "Black", ]

black1979 <- black1979[is.na(black1979$race) == FALSE, ]

#Noncollege

black1979 <- black1979[black1979$gradeat < 13, ]

black1979 <- black1979[is.na(black1979$gradeat) == FALSE, ]

black1979 <- black1979[is.na(black1979$doinglw) != "At School", ]

#Total

black1979 <- black1979[is.na(black1979$ftpt79) == FALSE, ]

nrow(black1979)

#Unemployed

black1979a <- black1979[black1979$ftpt79 != "Employed full-time", ]

black1979a <- black1979a[black1979a$ftpt79 != "Part-time For Economic Reasons", ]

black1979a <- black1979a[black1979a$ftpt79 != "Employed PT", ]

black1979a <- black1979a[is.na(black1979a$ftpt79) == FALSE, ]

nrow(black1979a)

nrow(black1979a)/nrow(black1979)

data1979a <- data1979

#Men

data1979a <- data1979a[data1979a$sex == "Male", ]

data1979a <- data1979a[is.na(data1979a$sex) == FALSE, ]

#Ages 22-30

data1979a <- data1979a[data1979a$age < 31, ]

data1979a <- data1979a[data1979a$age > 21, ]

data1979a <- data1979a[is.na(data1979a$age) == FALSE, ]

#Race restriction

white1979 <- data1979a[data1979a$race == "White", ]

white1979 <- white1979[is.na(white1979$race) == FALSE, ]

#Noncollege

white1979 <- white1979[white1979$gradeat < 13, ]

white1979 <- white1979[is.na(white1979$gradeat) == FALSE, ]

white1979 <- white1979[is.na(white1979$doinglw) != "At School", ]

#Total

white1979 <- white1979[is.na(white1979$ftpt79) == FALSE, ]

nrow(white1979)

#Unemployed

white1979a <- white1979[white1979$ftpt79 != "Employed full-time", ]

white1979a <- white1979a[white1979a$ftpt79 != "Part-time For Economic Reasons", ]

white1979a <- white1979a[white1979a$ftpt79 != "Employed PT", ]

white1979a <- white1979a[is.na(white1979a$ftpt79) == FALSE, ]

nrow(white1979a)

nrow(white1979a)/nrow(white1979)

#Data -- 1980

library(foreign)

data1980 <- read.dta("morg80.dta")

data1980a <- data1980

#Men

data1980a <- data1980a[data1980a$sex == "Male", ]

data1980a <- data1980a[is.na(data1980a$sex) == FALSE, ]

#Ages 22-30

data1980a <- data1980a[data1980a$age < 31, ]

data1980a <- data1980a[data1980a$age > 21, ]

data1980a <- data1980a[is.na(data1980a$age) == FALSE, ]

#Race restriction

black1980 <- data1980a[data1980a$race == "Black", ]

black1980 <- black1980[is.na(black1980$race) == FALSE, ]

#Noncollege

black1980 <- black1980[black1980$gradeat < 13, ]

black1980 <- black1980[is.na(black1980$gradeat) == FALSE, ]

black1980 <- black1980[is.na(black1980$doinglw) != "At School", ]

#Total

black1980 <- black1980[is.na(black1980$ftpt79) == FALSE, ]

nrow(black1980)

#Unemployed

black1980a <- black1980[black1980$ftpt79 != "Employed full-time", ]

black1980a <- black1980a[black1980a$ftpt79 != "Part-time For Economic Reasons", ]

black1980a <- black1980a[black1980a$ftpt79 != "Employed PT", ]

black1980a <- black1980a[is.na(black1980a$ftpt79) == FALSE, ]

nrow(black1980a)

nrow(black1980a)/nrow(black1980)

data1980a <- data1980

#Men

data1980a <- data1980a[data1980a$sex == "Male", ]

data1980a <- data1980a[is.na(data1980a$sex) == FALSE, ]

#Ages 22-30

data1980a <- data1980a[data1980a$age < 31, ]

data1980a <- data1980a[data1980a$age > 21, ]

data1980a <- data1980a[is.na(data1980a$age) == FALSE, ]

#Race restriction

white1980 <- data1980a[data1980a$race == "White", ]

white1980 <- white1980[is.na(white1980$race) == FALSE, ]

#Noncollege

white1980 <- white1980[white1980$gradeat < 13, ]

white1980 <- white1980[is.na(white1980$gradeat) == FALSE, ]

white1980 <- white1980[is.na(white1980$doinglw) != "At School", ]

#Total

white1980 <- white1980[is.na(white1980$ftpt79) == FALSE, ]

nrow(white1980)

#Unemployed

white1980a <- white1980[white1980$ftpt79 != "Employed full-time", ]

white1980a <- white1980a[white1980a$ftpt79 != "Part-time For Economic Reasons", ]

white1980a <- white1980a[white1980a$ftpt79 != "Employed PT", ]

white1980a <- white1980a[is.na(white1980a$ftpt79) == FALSE, ]

nrow(white1980a)

nrow(white1980a)/nrow(white1980)

#Data -- 1981

library(foreign)

data1981 <- read.dta("morg81.dta")

data1981a <- data1981

#Men

data1981a <- data1981a[data1981a$sex == "Male", ]

data1981a <- data1981a[is.na(data1981a$sex) == FALSE, ]

#Ages 22-30

data1981a <- data1981a[data1981a$age < 31, ]

data1981a <- data1981a[data1981a$age > 21, ]

data1981a <- data1981a[is.na(data1981a$age) == FALSE, ]

#Race restriction

black1981 <- data1981a[data1981a$race == "Black", ]

black1981 <- black1981[is.na(black1981$race) == FALSE, ]

#Noncollege

black1981 <- black1981[black1981$gradeat < 13, ]

black1981 <- black1981[is.na(black1981$gradeat) == FALSE, ]

black1981 <- black1981[is.na(black1981$doinglw) != "At School", ]

#Total

black1981 <- black1981[is.na(black1981$ftpt79) == FALSE, ]

nrow(black1981)

#Unemployed

black1981a <- black1981[black1981$ftpt79 != "Employed full-time", ]

black1981a <- black1981a[black1981a$ftpt79 != "Part-time For Economic Reasons", ]

black1981a <- black1981a[black1981a$ftpt79 != "Employed PT", ]

black1981a <- black1981a[is.na(black1981a$ftpt79) == FALSE, ]

nrow(black1981a)

nrow(black1981a)/nrow(black1981)

data1981a <- data1981

#Men

data1981a <- data1981a[data1981a$sex == "Male", ]

data1981a <- data1981a[is.na(data1981a$sex) == FALSE, ]

#Ages 22-30

data1981a <- data1981a[data1981a$age < 31, ]

data1981a <- data1981a[data1981a$age > 21, ]

data1981a <- data1981a[is.na(data1981a$age) == FALSE, ]

#Race restriction

white1981 <- data1981a[data1981a$race == "White", ]

white1981 <- white1981[is.na(white1981$race) == FALSE, ]

#Noncollege

white1981 <- white1981[white1981$gradeat < 13, ]

white1981 <- white1981[is.na(white1981$gradeat) == FALSE, ]

white1981 <- white1981[is.na(white1981$doinglw) != "At School", ]

#Total

white1981 <- white1981[is.na(white1981$ftpt79) == FALSE, ]

nrow(white1981)

#Unemployed

white1981a <- white1981[white1981$ftpt79 != "Employed full-time", ]

white1981a <- white1981a[white1981a$ftpt79 != "Part-time For Economic Reasons", ]

white1981a <- white1981a[white1981a$ftpt79 != "Employed PT", ]

white1981a <- white1981a[is.na(white1981a$ftpt79) == FALSE, ]

nrow(white1981a)

nrow(white1981a)/nrow(white1981)

#Data -- 1982

library(foreign)

data1982 <- read.dta("morg82.dta")

data1982a <- data1982

#Men

data1982a <- data1982a[data1982a$sex == "Male", ]

data1982a <- data1982a[is.na(data1982a$sex) == FALSE, ]

#Ages 22-30

data1982a <- data1982a[data1982a$age < 31, ]

data1982a <- data1982a[data1982a$age > 21, ]

data1982a <- data1982a[is.na(data1982a$age) == FALSE, ]

#Race restriction

black1982 <- data1982a[data1982a$race == "Black", ]

black1982 <- black1982[is.na(black1982$race) == FALSE, ]

#Noncollege

black1982 <- black1982[black1982$gradeat < 13, ]

black1982 <- black1982[is.na(black1982$gradeat) == FALSE, ]

black1982 <- black1982[is.na(black1982$doinglw) != "At School", ]

#Total

black1982 <- black1982[is.na(black1982$ftpt79) == FALSE, ]

nrow(black1982)

#Unemployed

black1982a <- black1982[black1982$ftpt79 != "Employed full-time", ]

black1982a <- black1982a[black1982a$ftpt79 != "Part-time For Economic Reasons", ]

black1982a <- black1982a[black1982a$ftpt79 != "Employed PT", ]

black1982a <- black1982a[is.na(black1982a$ftpt79) == FALSE, ]

nrow(black1982a)

nrow(black1982a)/nrow(black1982)

data1982a <- data1982

#Men

data1982a <- data1982a[data1982a$sex == "Male", ]

data1982a <- data1982a[is.na(data1982a$sex) == FALSE, ]

#Ages 22-30

data1982a <- data1982a[data1982a$age < 31, ]

data1982a <- data1982a[data1982a$age > 21, ]

data1982a <- data1982a[is.na(data1982a$age) == FALSE, ]

#Race restriction

white1982 <- data1982a[data1982a$race == "White", ]

white1982 <- white1982[is.na(white1982$race) == FALSE, ]

#Noncollege

white1982 <- white1982[white1982$gradeat < 13, ]

white1982 <- white1982[is.na(white1982$gradeat) == FALSE, ]

white1982 <- white1982[is.na(white1982$doinglw) != "At School", ]

#Total

white1982 <- white1982[is.na(white1982$ftpt79) == FALSE, ]

nrow(white1982)

#Unemployed

white1982a <- white1982[white1982$ftpt79 != "Employed full-time", ]

white1982a <- white1982a[white1982a$ftpt79 != "Part-time For Economic Reasons", ]

white1982a <- white1982a[white1982a$ftpt79 != "Employed PT", ]

white1982a <- white1982a[is.na(white1982a$ftpt79) == FALSE, ]

nrow(white1982a)

nrow(white1982a)/nrow(white1982)

#Data -- 1983

library(foreign)

data1983 <- read.dta("morg83.dta")

data1983a <- data1983

#Men

data1983a <- data1983a[data1983a$sex == "Male", ]

data1983a <- data1983a[is.na(data1983a$sex) == FALSE, ]

#Ages 22-30

data1983a <- data1983a[data1983a$age < 31, ]

data1983a <- data1983a[data1983a$age > 21, ]

data1983a <- data1983a[is.na(data1983a$age) == FALSE, ]

#Race restriction

black1983 <- data1983a[data1983a$race == "Black", ]

black1983 <- black1983[is.na(black1983$race) == FALSE, ]

#Noncollege

black1983 <- black1983[black1983$gradeat < 13, ]

black1983 <- black1983[is.na(black1983$gradeat) == FALSE, ]

black1983 <- black1983[is.na(black1983$doinglw) != “At School”, ]

#Total

black1983 <- black1983[is.na(black1983$ftpt79) == FALSE, ]

nrow(black1983)

#Unemployed

black1983a <- black1983[black1983$ftpt79 != "Employed full-time", ]

black1983a <- black1983a[black1983a$ftpt79 != "Part-time For Economic Reasons", ]

black1983a <- black1983a[black1983a$ftpt79 != "Employed PT", ]

black1983a <- black1983a[is.na(black1983a$ftpt79) == FALSE, ]

nrow(black1983a)

nrow(black1983a)/nrow(black1983)

data1983a <- data1983

#Men

data1983a <- data1983a[data1983a$sex == "Male", ]

data1983a <- data1983a[is.na(data1983a$sex) == FALSE, ]

#Ages 22-30

data1983a <- data1983a[data1983a$age < 31, ]

data1983a <- data1983a[data1983a$age > 21, ]

data1983a <- data1983a[is.na(data1983a$age) == FALSE, ]

#Race restriction

white1983 <- data1983a[data1983a$race == "White", ]

white1983 <- white1983[is.na(white1983$race) == FALSE, ]

#Noncollege

white1983 <- white1983[white1983$gradeat < 13, ]

white1983 <- white1983[is.na(white1983$gradeat) == FALSE, ]

white1983 <- white1983[is.na(white1983$doinglw) != “At School”, ]

#Total

white1983 <- white1983[is.na(white1983$ftpt79) == FALSE, ]

nrow(white1983)

#Unemployed

white1983a <- white1983[white1983$ftpt79 != "Employed full-time", ]

white1983a <- white1983a[white1983a$ftpt79 != "Part-time For Economic Reasons", ]

white1983a <- white1983a[white1983a$ftpt79 != "Employed PT", ]

white1983a <- white1983a[is.na(white1983a$ftpt79) == FALSE, ]

nrow(white1983a)

nrow(white1983a)/nrow(white1983)

#Data -- 1984

library(foreign)

data1984 <- read.dta("morg84.dta")

data1984a <- data1984

#Men

data1984a <- data1984a[data1984a$sex == "Male", ]

data1984a <- data1984a[is.na(data1984a$sex) == FALSE, ]

#Ages 22-30

data1984a <- data1984a[data1984a$age < 31, ]

data1984a <- data1984a[data1984a$age > 21, ]

data1984a <- data1984a[is.na(data1984a$age) == FALSE, ]

#Race restriction

black1984 <- data1984a[data1984a$race == "Black", ]

black1984 <- black1984[is.na(black1984$race) == FALSE, ]

#Noncollege

black1984 <- black1984[black1984$gradeat < 13, ]

black1984 <- black1984[is.na(black1984$gradeat) == FALSE, ]

black1984 <- black1984[is.na(black1984$schlvl) == TRUE, ]

#Total

black1984 <- black1984[is.na(black1984$ftpt79) == FALSE, ]

nrow(black1984)

#Unemployed

black1984a <- black1984[black1984$ftpt79 != "Employed full-time", ]

black1984a <- black1984a[black1984a$ftpt79 != "Part-time For Economic Reasons", ]

black1984a <- black1984a[black1984a$ftpt79 != "Employed PT", ]

black1984a <- black1984a[is.na(black1984a$ftpt79) == FALSE, ]

nrow(black1984a)

nrow(black1984a)/nrow(black1984)

data1984a <- data1984

#Men

data1984a <- data1984a[data1984a$sex == "Male", ]

data1984a <- data1984a[is.na(data1984a$sex) == FALSE, ]

#Ages 22-30

data1984a <- data1984a[data1984a$age < 31, ]

data1984a <- data1984a[data1984a$age > 21, ]

data1984a <- data1984a[is.na(data1984a$age) == FALSE, ]

#Race restriction

white1984 <- data1984a[data1984a$race == "White", ]

white1984 <- white1984[is.na(white1984$race) == FALSE, ]

#Noncollege

white1984 <- white1984[white1984$gradeat < 13, ]

white1984 <- white1984[is.na(white1984$gradeat) == FALSE, ]

white1984 <- white1984[is.na(white1984$schlvl) == TRUE, ]

#Total

white1984 <- white1984[is.na(white1984$ftpt79) == FALSE, ]

nrow(white1984)

#Unemployed

white1984a <- white1984[white1984$ftpt79 != "Employed full-time", ]

white1984a <- white1984a[white1984a$ftpt79 != "Part-time For Economic Reasons", ]

white1984a <- white1984a[white1984a$ftpt79 != "Employed PT", ]

white1984a <- white1984a[is.na(white1984a$ftpt79) == FALSE, ]

nrow(white1984a)

nrow(white1984a)/nrow(white1984)

#Data -- 1985

library(foreign)

data1985 <- read.dta("morg85.dta")

data1985a <- data1985

#Men

data1985a <- data1985a[data1985a$sex == "Male", ]

data1985a <- data1985a[is.na(data1985a$sex) == FALSE, ]

#Ages 22-30

data1985a <- data1985a[data1985a$age < 31, ]

data1985a <- data1985a[data1985a$age > 21, ]

data1985a <- data1985a[is.na(data1985a$age) == FALSE, ]

#Race restriction

black1985 <- data1985a[data1985a$race == "Black", ]

black1985 <- black1985[is.na(black1985$race) == FALSE, ]

#Noncollege

black1985 <- black1985[black1985$gradeat < 13, ]

black1985 <- black1985[is.na(black1985$gradeat) == FALSE, ]

black1985 <- black1985[is.na(black1985$schlvl) == TRUE, ]

#Total

black1985 <- black1985[is.na(black1985$ftpt79) == FALSE, ]

nrow(black1985)

#Unemployed

black1985a <- black1985[black1985$ftpt79 != "Employed full-time", ]

black1985a <- black1985a[black1985a$ftpt79 != "Part-time For Economic Reasons", ]

black1985a <- black1985a[black1985a$ftpt79 != "Employed PT", ]

black1985a <- black1985a[is.na(black1985a$ftpt79) == FALSE, ]

nrow(black1985a)

nrow(black1985a)/nrow(black1985)

data1985a <- data1985

#Men

data1985a <- data1985a[data1985a$sex == "Male", ]

data1985a <- data1985a[is.na(data1985a$sex) == FALSE, ]

#Ages 22-30

data1985a <- data1985a[data1985a$age < 31, ]

data1985a <- data1985a[data1985a$age > 21, ]

data1985a <- data1985a[is.na(data1985a$age) == FALSE, ]

#Race restriction

white1985 <- data1985a[data1985a$race == "White", ]

white1985 <- white1985[is.na(white1985$race) == FALSE, ]

#Noncollege

white1985 <- white1985[white1985$gradeat < 13, ]

white1985 <- white1985[is.na(white1985$gradeat) == FALSE, ]

white1985 <- white1985[is.na(white1985$schlvl) == TRUE, ]

#Total

white1985 <- white1985[is.na(white1985$ftpt79) == FALSE, ]

nrow(white1985)

#Unemployed

white1985a <- white1985[white1985$ftpt79 != "Employed full-time", ]

white1985a <- white1985a[white1985a$ftpt79 != "Part-time For Economic Reasons", ]

white1985a <- white1985a[white1985a$ftpt79 != "Employed PT", ]

white1985a <- white1985a[is.na(white1985a$ftpt79) == FALSE, ]

nrow(white1985a)

nrow(white1985a)/nrow(white1985)

#Data -- 1986

library(foreign)

data1986 <- read.dta("morg86.dta")

data1986a <- data1986

#Men

data1986a <- data1986a[data1986a$sex == "Male", ]

data1986a <- data1986a[is.na(data1986a$sex) == FALSE, ]

#Ages 22-30

data1986a <- data1986a[data1986a$age < 31, ]

data1986a <- data1986a[data1986a$age > 21, ]

data1986a <- data1986a[is.na(data1986a$age) == FALSE, ]

#Race restriction

black1986 <- data1986a[data1986a$race == "Black", ]

black1986 <- black1986[is.na(black1986$race) == FALSE, ]

#Noncollege

black1986 <- black1986[black1986$gradeat < 13, ]

black1986 <- black1986[is.na(black1986$gradeat) == FALSE, ]

black1986 <- black1986[is.na(black1986$schlvl) == TRUE, ]

#Total

black1986 <- black1986[is.na(black1986$ftpt79) == FALSE, ]

nrow(black1986)

#Unemployed

black1986a <- black1986[black1986$ftpt79 != "Employed full-time", ]

black1986a <- black1986a[black1986a$ftpt79 != "Part-time For Economic Reasons", ]

black1986a <- black1986a[black1986a$ftpt79 != "Employed PT", ]

black1986a <- black1986a[is.na(black1986a$ftpt79) == FALSE, ]

nrow(black1986a)

nrow(black1986a)/nrow(black1986)

data1986a <- data1986

#Men

data1986a <- data1986a[data1986a$sex == "Male", ]

data1986a <- data1986a[is.na(data1986a$sex) == FALSE, ]

#Ages 22-30

data1986a <- data1986a[data1986a$age < 31, ]

data1986a <- data1986a[data1986a$age > 21, ]

data1986a <- data1986a[is.na(data1986a$age) == FALSE, ]

#Race restriction

white1986 <- data1986a[data1986a$race == "White", ]

white1986 <- white1986[is.na(white1986$race) == FALSE, ]

#Noncollege

white1986 <- white1986[white1986$gradeat < 13, ]

white1986 <- white1986[is.na(white1986$gradeat) == FALSE, ]

white1986 <- white1986[is.na(white1986$schlvl) == TRUE, ]

#Total

white1986 <- white1986[is.na(white1986$ftpt79) == FALSE, ]

nrow(white1986)

#Unemployed

white1986a <- white1986[white1986$ftpt79 != "Employed full-time", ]

white1986a <- white1986a[white1986a$ftpt79 != "Part-time For Economic Reasons", ]

white1986a <- white1986a[white1986a$ftpt79 != "Employed PT", ]

white1986a <- white1986a[is.na(white1986a$ftpt79) == FALSE, ]

nrow(white1986a)

nrow(white1986a)/nrow(white1986)

#Data -- 1987

library(foreign)

data1987 <- read.dta("morg87.dta")

data1987a <- data1987

#Men

data1987a <- data1987a[data1987a$sex == "Male", ]

data1987a <- data1987a[is.na(data1987a$sex) == FALSE, ]

#Ages 22-30

data1987a <- data1987a[data1987a$age < 31, ]

data1987a <- data1987a[data1987a$age > 21, ]

data1987a <- data1987a[is.na(data1987a$age) == FALSE, ]

#Race restriction

black1987 <- data1987a[data1987a$race == "Black", ]

black1987 <- black1987[is.na(black1987$race) == FALSE, ]

#Noncollege

black1987 <- black1987[black1987$gradeat < 13, ]

black1987 <- black1987[is.na(black1987$gradeat) == FALSE, ]

black1987 <- black1987[is.na(black1987$schlvl) == TRUE, ]

#Total

black1987 <- black1987[is.na(black1987$ftpt79) == FALSE, ]

nrow(black1987)

#Unemployed

black1987a <- black1987[black1987$ftpt79 != "Employed full-time", ]

black1987a <- black1987a[black1987a$ftpt79 != "Part-time For Economic Reasons", ]

black1987a <- black1987a[black1987a$ftpt79 != "Employed PT", ]

black1987a <- black1987a[is.na(black1987a$ftpt79) == FALSE, ]

nrow(black1987a)

nrow(black1987a)/nrow(black1987)

data1987a <- data1987

#Men

data1987a <- data1987a[data1987a$sex == "Male", ]

data1987a <- data1987a[is.na(data1987a$sex) == FALSE, ]

#Ages 22-30

data1987a <- data1987a[data1987a$age < 31, ]

data1987a <- data1987a[data1987a$age > 21, ]

data1987a <- data1987a[is.na(data1987a$age) == FALSE, ]

#Race restriction

white1987 <- data1987a[data1987a$race == "White", ]

white1987 <- white1987[is.na(white1987$race) == FALSE, ]

#Noncollege

white1987 <- white1987[white1987$gradeat < 13, ]

white1987 <- white1987[is.na(white1987$gradeat) == FALSE, ]

white1987 <- white1987[is.na(white1987$schlvl) == TRUE, ]

#Total

white1987 <- white1987[is.na(white1987$ftpt79) == FALSE, ]

nrow(white1987)

#Unemployed

white1987a <- white1987[white1987$ftpt79 != "Employed full-time", ]

white1987a <- white1987a[white1987a$ftpt79 != "Part-time For Economic Reasons", ]

white1987a <- white1987a[white1987a$ftpt79 != "Employed PT", ]

white1987a <- white1987a[is.na(white1987a$ftpt79) == FALSE, ]

nrow(white1987a)

nrow(white1987a)/nrow(white1987)

#Data -- 1988

library(foreign)

data1988 <- read.dta("morg88.dta")

data1988a <- data1988

#Men

data1988a <- data1988a[data1988a$sex == "Male", ]

data1988a <- data1988a[is.na(data1988a$sex) == FALSE, ]

#Ages 22-30

data1988a <- data1988a[data1988a$age < 31, ]

data1988a <- data1988a[data1988a$age > 21, ]

data1988a <- data1988a[is.na(data1988a$age) == FALSE, ]

#Race restriction

black1988 <- data1988a[data1988a$race == "Black", ]

black1988 <- black1988[is.na(black1988$race) == FALSE, ]

#Noncollege

black1988 <- black1988[black1988$gradeat < 13, ]

black1988 <- black1988[is.na(black1988$gradeat) == FALSE, ]

black1988 <- black1988[is.na(black1988$schlvl) == TRUE, ]

#Total

black1988 <- black1988[is.na(black1988$ftpt79) == FALSE, ]

nrow(black1988)

#Unemployed

black1988a <- black1988[black1988$ftpt79 != "Employed full-time", ]

black1988a <- black1988a[black1988a$ftpt79 != "Part-time For Economic Reasons", ]

black1988a <- black1988a[black1988a$ftpt79 != "Employed PT", ]

black1988a <- black1988a[is.na(black1988a$ftpt79) == FALSE, ]

nrow(black1988a)

nrow(black1988a)/nrow(black1988)

data1988a <- data1988

#Men

data1988a <- data1988a[data1988a$sex == "Male", ]

data1988a <- data1988a[is.na(data1988a$sex) == FALSE, ]

#Ages 22-30

data1988a <- data1988a[data1988a$age < 31, ]

data1988a <- data1988a[data1988a$age > 21, ]

data1988a <- data1988a[is.na(data1988a$age) == FALSE, ]

#Race restriction

white1988 <- data1988a[data1988a$race == "White", ]

white1988 <- white1988[is.na(white1988$race) == FALSE, ]

#Noncollege

white1988 <- white1988[white1988$gradeat < 13, ]

white1988 <- white1988[is.na(white1988$gradeat) == FALSE, ]

white1988 <- white1988[is.na(white1988$schlvl) == TRUE, ]

#Total

white1988 <- white1988[is.na(white1988$ftpt79) == FALSE, ]

nrow(white1988)

#Unemployed

white1988a <- white1988[white1988$ftpt79 != "Employed full-time", ]

white1988a <- white1988a[white1988a$ftpt79 != "Part-time For Economic Reasons", ]

white1988a <- white1988a[white1988a$ftpt79 != "Employed PT", ]

white1988a <- white1988a[is.na(white1988a$ftpt79) == FALSE, ]

nrow(white1988a)

nrow(white1988a)/nrow(white1988)

#Data -- 1989

library(foreign)

data1989 <- read.dta("morg89.dta")

data1989a <- data1989

#Men

data1989a <- data1989a[data1989a$sex == "Male", ]

data1989a <- data1989a[is.na(data1989a$sex) == FALSE, ]

#Ages 22-30

data1989a <- data1989a[data1989a$age < 31, ]

data1989a <- data1989a[data1989a$age > 21, ]

data1989a <- data1989a[is.na(data1989a$age) == FALSE, ]

#Race restriction

black1989 <- data1989a[data1989a$race == "Black", ]

black1989 <- black1989[is.na(black1989$race) == FALSE, ]

#Noncollege

black1989 <- black1989[black1989$gradeat < 13, ]

black1989 <- black1989[is.na(black1989$gradeat) == FALSE, ]

black1989 <- black1989[is.na(black1989$schlvl) == TRUE, ]

#Total

black1989 <- black1989[is.na(black1989$lfsr89) == FALSE, ]

nrow(black1989)

#Unemployed

black1989a <- black1989[black1989$lfsr89 != "Employed-At Work", ]

black1989a <- black1989a[black1989a$lfsr89 != "Employed-Absent", ]

black1989a <- black1989a[is.na(black1989a$lfsr89) == FALSE, ]

nrow(black1989a)

nrow(black1989a)/nrow(black1989)

data1989a <- data1989

#Men

data1989a <- data1989a[data1989a$sex == "Male", ]

data1989a <- data1989a[is.na(data1989a$sex) == FALSE, ]

#Ages 22-30

data1989a <- data1989a[data1989a$age < 31, ]

data1989a <- data1989a[data1989a$age > 21, ]

data1989a <- data1989a[is.na(data1989a$age) == FALSE, ]

#Race restriction

white1989 <- data1989a[data1989a$race == "White", ]

white1989 <- white1989[is.na(white1989$race) == FALSE, ]

#Noncollege

white1989 <- white1989[white1989$gradeat < 13, ]

white1989 <- white1989[is.na(white1989$gradeat) == FALSE, ]

white1989 <- white1989[is.na(white1989$schlvl) == TRUE, ]

#Total

white1989 <- white1989[is.na(white1989$lfsr89) == FALSE, ]

nrow(white1989)

#Unemployed

white1989a <- white1989[white1989$lfsr89 != "Employed-At Work", ]

white1989a <- white1989a[white1989a$lfsr89 != "Employed-Absent", ]

white1989a <- white1989a[is.na(white1989a$lfsr89) == FALSE, ]

nrow(white1989a)

nrow(white1989a)/nrow(white1989)

#Data -- 1990

library(foreign)

data1990 <- read.dta("morg90.dta")

data1990a <- data1990

#Men

data1990a <- data1990a[data1990a$sex == "Male", ]

data1990a <- data1990a[is.na(data1990a$sex) == FALSE, ]

#Ages 22-30

data1990a <- data1990a[data1990a$age < 31, ]

data1990a <- data1990a[data1990a$age > 21, ]

data1990a <- data1990a[is.na(data1990a$age) == FALSE, ]

#Race restriction

black1990 <- data1990a[data1990a$race == "Black", ]

black1990 <- black1990[is.na(black1990$race) == FALSE, ]

#Noncollege

black1990 <- black1990[black1990$gradeat < 13, ]

black1990 <- black1990[is.na(black1990$gradeat) == FALSE, ]

black1990 <- black1990[is.na(black1990$schlvl) == TRUE, ]

#Total

black1990 <- black1990[is.na(black1990$lfsr89) == FALSE, ]

nrow(black1990)

#Unemployed

black1990a <- black1990[black1990$lfsr89 != "Employed-At Work", ]

black1990a <- black1990a[black1990a$lfsr89 != "Employed-Absent", ]

black1990a <- black1990a[is.na(black1990a$lfsr89) == FALSE, ]

nrow(black1990a)

nrow(black1990a)/nrow(black1990)

data1990a <- data1990

#Men

data1990a <- data1990a[data1990a$sex == "Male", ]

data1990a <- data1990a[is.na(data1990a$sex) == FALSE, ]

#Ages 22-30

data1990a <- data1990a[data1990a$age < 31, ]

data1990a <- data1990a[data1990a$age > 21, ]

data1990a <- data1990a[is.na(data1990a$age) == FALSE, ]

#Race restriction

white1990 <- data1990a[data1990a$race == "White", ]

white1990 <- white1990[is.na(white1990$race) == FALSE, ]

#Noncollege

white1990 <- white1990[white1990$gradeat < 13, ]

white1990 <- white1990[is.na(white1990$gradeat) == FALSE, ]

white1990 <- white1990[is.na(white1990$schlvl) == TRUE, ]

#Total

white1990 <- white1990[is.na(white1990$lfsr89) == FALSE, ]

nrow(white1990)

#Unemployed

white1990a <- white1990[white1990$lfsr89 != "Employed-At Work", ]

white1990a <- white1990a[white1990a$lfsr89 != "Employed-Absent", ]

white1990a <- white1990a[is.na(white1990a$lfsr89) == FALSE, ]

nrow(white1990a)

nrow(white1990a)/nrow(white1990)

#Data -- 1991

library(foreign)

data1991 <- read.dta("morg91.dta")

data1991a <- data1991

#Men

data1991a <- data1991a[data1991a$sex == "Male", ]

data1991a <- data1991a[is.na(data1991a$sex) == FALSE, ]

#Ages 22-30

data1991a <- data1991a[data1991a$age < 31, ]

data1991a <- data1991a[data1991a$age > 21, ]

data1991a <- data1991a[is.na(data1991a$age) == FALSE, ]

#Race restriction

black1991 <- data1991a[data1991a$race == "Black", ]

black1991 <- black1991[is.na(black1991$race) == FALSE, ]

#Noncollege

black1991 <- black1991[black1991$gradeat < 13, ]

black1991 <- black1991[is.na(black1991$gradeat) == FALSE, ]

black1991 <- black1991[is.na(black1991$schlvl) == TRUE, ]

#Total

black1991 <- black1991[is.na(black1991$lfsr89) == FALSE, ]

nrow(black1991)

#Unemployed

black1991a <- black1991[black1991$lfsr89 != "Employed-At Work", ]

black1991a <- black1991a[black1991a$lfsr89 != "Employed-Absent", ]

black1991a <- black1991a[is.na(black1991a$lfsr89) == FALSE, ]

nrow(black1991a)

nrow(black1991a)/nrow(black1991)

data1991a <- data1991

#Men

data1991a <- data1991a[data1991a$sex == "Male", ]

data1991a <- data1991a[is.na(data1991a$sex) == FALSE, ]

#Ages 22-30

data1991a <- data1991a[data1991a$age < 31, ]

data1991a <- data1991a[data1991a$age > 21, ]

data1991a <- data1991a[is.na(data1991a$age) == FALSE, ]

#Race restriction

white1991 <- data1991a[data1991a$race == "White", ]

white1991 <- white1991[is.na(white1991$race) == FALSE, ]

#Noncollege

white1991 <- white1991[white1991$gradeat < 13, ]

white1991 <- white1991[is.na(white1991$gradeat) == FALSE, ]

white1991 <- white1991[is.na(white1991$schlvl) == TRUE, ]

#Total

white1991 <- white1991[is.na(white1991$lfsr89) == FALSE, ]

nrow(white1991)

#Unemployed

white1991a <- white1991[white1991$lfsr89 != "Employed-At Work", ]

white1991a <- white1991a[white1991a$lfsr89 != "Employed-Absent", ]

white1991a <- white1991a[is.na(white1991a$lfsr89) == FALSE, ]

nrow(white1991a)

nrow(white1991a)/nrow(white1991)

#Data -- 1992

library(foreign)

data1992 <- read.dta("morg92.dta")

data1992a <- data1992

#Men

data1992a <- data1992a[data1992a$sex == "Male", ]

data1992a <- data1992a[is.na(data1992a$sex) == FALSE, ]

#Ages 22-30

data1992a <- data1992a[data1992a$age < 31, ]

data1992a <- data1992a[data1992a$age > 21, ]

data1992a <- data1992a[is.na(data1992a$age) == FALSE, ]

#Race restriction

black1992 <- data1992a[data1992a$race == "Black", ]

black1992 <- black1992[is.na(black1992$race) == FALSE, ]

#Noncollege

black1992 <- black1992[black1992$grade92 != "Some College But No Degree", ]

black1992 <- black1992[black1992$grade92 != "Associate Degree-Occupational/Vocational", ]

black1992 <- black1992[black1992$grade92 != "Associate Deg.-Academic Program", ]

black1992 <- black1992[black1992$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

black1992 <- black1992[black1992$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

black1992 <- black1992[black1992$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

black1992 <- black1992[black1992$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

black1992 <- black1992[is.na(black1992$grade92) == FALSE, ]

black1992 <- black1992[is.na(black1992$schlvl) == TRUE, ]

#Total

black1992 <- black1992[is.na(black1992$lfsr89) == FALSE, ]

nrow(black1992)

#Unemployed

black1992a <- black1992[black1992$lfsr89 != "Employed-At Work", ]

black1992a <- black1992a[black1992a$lfsr89 != "Employed-Absent", ]

black1992a <- black1992a[is.na(black1992a$lfsr89) == FALSE, ]

nrow(black1992a)

nrow(black1992a)/nrow(black1992)

data1992a <- data1992

#Men

data1992a <- data1992a[data1992a$sex == "Male", ]

data1992a <- data1992a[is.na(data1992a$sex) == FALSE, ]

#Ages 22-30

data1992a <- data1992a[data1992a$age < 31, ]

data1992a <- data1992a[data1992a$age > 21, ]

data1992a <- data1992a[is.na(data1992a$age) == FALSE, ]

#Race restriction

white1992 <- data1992a[data1992a$race == "White", ]

white1992 <- white1992[is.na(white1992$race) == FALSE, ]

#Noncollege

white1992 <- white1992[white1992$grade92 != "Some College But No Degree", ]

white1992 <- white1992[white1992$grade92 != "Associate Degree-Occupational/Vocational", ]

white1992 <- white1992[white1992$grade92 != "Associate Deg.-Academic Program", ]

white1992 <- white1992[white1992$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

white1992 <- white1992[white1992$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

white1992 <- white1992[white1992$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

white1992 <- white1992[white1992$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

white1992 <- white1992[is.na(white1992$grade92) == FALSE, ]

white1992 <- white1992[is.na(white1992$schlvl) == TRUE, ]

#Total

white1992 <- white1992[is.na(white1992$lfsr89) == FALSE, ]

nrow(white1992)

#Unemployed

white1992a <- white1992[white1992$lfsr89 != "Employed-At Work", ]

white1992a <- white1992a[white1992a$lfsr89 != "Employed-Absent", ]

white1992a <- white1992a[is.na(white1992a$lfsr89) == FALSE, ]

nrow(white1992a)

nrow(white1992a)/nrow(white1992)

#Data -- 1993

library(foreign)

data1993 <- read.dta("morg93.dta")

data1993a <- data1993

#Men

data1993a <- data1993a[data1993a$sex == "Male", ]

data1993a <- data1993a[is.na(data1993a$sex) == FALSE, ]

#Ages 22-30

data1993a <- data1993a[data1993a$age < 31, ]

data1993a <- data1993a[data1993a$age > 21, ]

data1993a <- data1993a[is.na(data1993a$age) == FALSE, ]

#Race restriction

black1993 <- data1993a[data1993a$race == "Black", ]

black1993 <- black1993[is.na(black1993$race) == FALSE, ]

#Noncollege

black1993 <- black1993[black1993$grade92 != "Some College But No Degree", ]

black1993 <- black1993[black1993$grade92 != "Associate Degree-Occupational/Vocational", ]

black1993 <- black1993[black1993$grade92 != "Associate Deg.-Academic Program", ]

black1993 <- black1993[black1993$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

black1993 <- black1993[black1993$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

black1993 <- black1993[black1993$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

black1993 <- black1993[black1993$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

black1993 <- black1993[is.na(black1993$grade92) == FALSE, ]

black1993 <- black1993[is.na(black1993$schlvl) == TRUE, ]

#Total

black1993 <- black1993[is.na(black1993$lfsr89) == FALSE, ]

nrow(black1993)

#Unemployed

black1993a <- black1993[black1993$lfsr89 != "Employed-At Work", ]

black1993a <- black1993a[black1993a$lfsr89 != "Employed-Absent", ]

black1993a <- black1993a[is.na(black1993a$lfsr89) == FALSE, ]

nrow(black1993a)

nrow(black1993a)/nrow(black1993)

data1993a <- data1993

#Men

data1993a <- data1993a[data1993a$sex == "Male", ]

data1993a <- data1993a[is.na(data1993a$sex) == FALSE, ]

#Ages 22-30

data1993a <- data1993a[data1993a$age < 31, ]

data1993a <- data1993a[data1993a$age > 21, ]

data1993a <- data1993a[is.na(data1993a$age) == FALSE, ]

#Race restriction

white1993 <- data1993a[data1993a$race == "White", ]

white1993 <- white1993[is.na(white1993$race) == FALSE, ]

#Noncollege

white1993 <- white1993[white1993$grade92 != "Some College But No Degree", ]

white1993 <- white1993[white1993$grade92 != "Associate Degree-Occupational/Vocational", ]

white1993 <- white1993[white1993$grade92 != "Associate Deg.-Academic Program", ]

white1993 <- white1993[white1993$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

white1993 <- white1993[white1993$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

white1993 <- white1993[white1993$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

white1993 <- white1993[white1993$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

white1993 <- white1993[is.na(white1993$grade92) == FALSE, ]

white1993 <- white1993[is.na(white1993$schlvl) == TRUE, ]

#Total

white1993 <- white1993[is.na(white1993$lfsr89) == FALSE, ]

nrow(white1993)

#Unemployed

white1993a <- white1993[white1993$lfsr89 != "Employed-At Work", ]

white1993a <- white1993a[white1993a$lfsr89 != "Employed-Absent", ]

white1993a <- white1993a[is.na(white1993a$lfsr89) == FALSE, ]

nrow(white1993a)

nrow(white1993a)/nrow(white1993)

#Data -- 1994

library(foreign)

data1994 <- read.dta("morg94.dta")

data1994a <- data1994

#Men

data1994a <- data1994a[data1994a$sex == "Male", ]

data1994a <- data1994a[is.na(data1994a$sex) == FALSE, ]

#Ages 22-30

data1994a <- data1994a[data1994a$age < 31, ]

data1994a <- data1994a[data1994a$age > 21, ]

data1994a <- data1994a[is.na(data1994a$age) == FALSE, ]

#Race restriction

black1994 <- data1994a[data1994a$race == "Black", ]

black1994 <- black1994[is.na(black1994$race) == FALSE, ]

#Noncollege

black1994 <- black1994[black1994$grade92 != "Some College But No Degree", ]

black1994 <- black1994[black1994$grade92 != "Associate Degree-Occupational/Vocational", ]

black1994 <- black1994[black1994$grade92 != "Associate Deg.-Academic Program", ]

black1994 <- black1994[black1994$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

black1994 <- black1994[black1994$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

black1994 <- black1994[black1994$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

black1994 <- black1994[black1994$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

black1994 <- black1994[is.na(black1994$grade92) == FALSE, ]

black1994 <- black1994[is.na(black1994$schlvl) == TRUE, ]

#Total

black1994 <- black1994[is.na(black1994$lfsr94) == FALSE, ]

nrow(black1994)

#Unemployed

black1994a <- black1994[black1994$lfsr94 != "Employed-At Work", ]

black1994a <- black1994a[black1994a$lfsr94 != "Employed-Absent", ]

black1994a <- black1994a[is.na(black1994a$lfsr94) == FALSE, ]

nrow(black1994a)

nrow(black1994a)/nrow(black1994)

data1994a <- data1994

#Men

data1994a <- data1994a[data1994a$sex == "Male", ]

data1994a <- data1994a[is.na(data1994a$sex) == FALSE, ]

#Ages 22-30

data1994a <- data1994a[data1994a$age < 31, ]

data1994a <- data1994a[data1994a$age > 21, ]

data1994a <- data1994a[is.na(data1994a$age) == FALSE, ]

#Race restriction

white1994 <- data1994a[data1994a$race == "White", ]

white1994 <- white1994[is.na(white1994$race) == FALSE, ]

#Noncollege

white1994 <- white1994[white1994$grade92 != "Some College But No Degree", ]

white1994 <- white1994[white1994$grade92 != "Associate Degree-Occupational/Vocational", ]

white1994 <- white1994[white1994$grade92 != "Associate Deg.-Academic Program", ]

white1994 <- white1994[white1994$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

white1994 <- white1994[white1994$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

white1994 <- white1994[white1994$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

white1994 <- white1994[white1994$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

white1994 <- white1994[is.na(white1994$grade92) == FALSE, ]

white1994 <- white1994[is.na(white1994$schlvl) == TRUE, ]

#Total

white1994 <- white1994[is.na(white1994$lfsr94) == FALSE, ]

nrow(white1994)

#Unemployed

white1994a <- white1994[white1994$lfsr94 != "Employed-At Work", ]

white1994a <- white1994a[white1994a$lfsr94 != "Employed-Absent", ]

white1994a <- white1994a[is.na(white1994a$lfsr94) == FALSE, ]

nrow(white1994a)

nrow(white1994a)/nrow(white1994)

#Data -- 1995

library(foreign)

data1995 <- read.dta("morg95.dta")

data1995a <- data1995

#Men

data1995a <- data1995a[data1995a$sex == "Male", ]

data1995a <- data1995a[is.na(data1995a$sex) == FALSE, ]

#Ages 22-30

data1995a <- data1995a[data1995a$age < 31, ]

data1995a <- data1995a[data1995a$age > 21, ]

data1995a <- data1995a[is.na(data1995a$age) == FALSE, ]

#Race restriction

black1995 <- data1995a[data1995a$race == "Black", ]

black1995 <- black1995[is.na(black1995$race) == FALSE, ]

#Noncollege

black1995 <- black1995[black1995$grade92 != "Some College But No Degree", ]

black1995 <- black1995[black1995$grade92 != "Associate Degree-Occupational/Vocational", ]

black1995 <- black1995[black1995$grade92 != "Associate Deg.-Academic Program", ]

black1995 <- black1995[black1995$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

black1995 <- black1995[black1995$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

black1995 <- black1995[black1995$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

black1995 <- black1995[black1995$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

black1995 <- black1995[is.na(black1995$grade92) == FALSE, ]

black1995 <- black1995[is.na(black1995$schlvl) == TRUE, ]

#Total

black1995 <- black1995[is.na(black1995$lfsr94) == FALSE, ]

nrow(black1995)

#Unemployed

black1995a <- black1995[black1995$lfsr94 != "Employed-At Work", ]

black1995a <- black1995a[black1995a$lfsr94 != "Employed-Absent", ]

black1995a <- black1995a[is.na(black1995a$lfsr94) == FALSE, ]

nrow(black1995a)

nrow(black1995a)/nrow(black1995)

data1995a <- data1995

#Men

data1995a <- data1995a[data1995a$sex == "Male", ]

data1995a <- data1995a[is.na(data1995a$sex) == FALSE, ]

#Ages 22-30

data1995a <- data1995a[data1995a$age < 31, ]

data1995a <- data1995a[data1995a$age > 21, ]

data1995a <- data1995a[is.na(data1995a$age) == FALSE, ]

#Race restriction

white1995 <- data1995a[data1995a$race == "White", ]

white1995 <- white1995[is.na(white1995$race) == FALSE, ]

#Noncollege

white1995 <- white1995[white1995$grade92 != "Some College But No Degree", ]

white1995 <- white1995[white1995$grade92 != "Associate Degree-Occupational/Vocational", ]

white1995 <- white1995[white1995$grade92 != "Associate Deg.-Academic Program", ]

white1995 <- white1995[white1995$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

white1995 <- white1995[white1995$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

white1995 <- white1995[white1995$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

white1995 <- white1995[white1995$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

white1995 <- white1995[is.na(white1995$grade92) == FALSE, ]

white1995 <- white1995[is.na(white1995$schlvl) == TRUE, ]

#Total

white1995 <- white1995[is.na(white1995$lfsr94) == FALSE, ]

nrow(white1995)

#Unemployed

white1995a <- white1995[white1995$lfsr94 != "Employed-At Work", ]

white1995a <- white1995a[white1995a$lfsr94 != "Employed-Absent", ]

white1995a <- white1995a[is.na(white1995a$lfsr94) == FALSE, ]

nrow(white1995a)

nrow(white1995a)/nrow(white1995)

#Data -- 1996

library(foreign)

data1996 <- read.dta("morg96.dta")

data1996a <- data1996

#Men

data1996a <- data1996a[data1996a$sex == "Male", ]

data1996a <- data1996a[is.na(data1996a$sex) == FALSE, ]

#Ages 22-30

data1996a <- data1996a[data1996a$age < 31, ]

data1996a <- data1996a[data1996a$age > 21, ]

data1996a <- data1996a[is.na(data1996a$age) == FALSE, ]

#Race restriction

black1996 <- data1996a[data1996a$race == "Black", ]

black1996 <- black1996[is.na(black1996$race) == FALSE, ]

#Noncollege

black1996 <- black1996[black1996$grade92 != "Some College But No Degree", ]

black1996 <- black1996[black1996$grade92 != "Associate Degree-Occupational/Vocational", ]

black1996 <- black1996[black1996$grade92 != "Associate Deg.-Academic Program", ]

black1996 <- black1996[black1996$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

black1996 <- black1996[black1996$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

black1996 <- black1996[black1996$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

black1996 <- black1996[black1996$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

black1996 <- black1996[is.na(black1996$grade92) == FALSE, ]

black1996 <- black1996[is.na(black1996$schlvl) == TRUE, ]

#Total

black1996 <- black1996[is.na(black1996$lfsr94) == FALSE, ]

nrow(black1996)

#Unemployed

black1996a <- black1996[black1996$lfsr94 != "Employed-At Work", ]

black1996a <- black1996a[black1996a$lfsr94 != "Employed-Absent", ]

black1996a <- black1996a[is.na(black1996a$lfsr94) == FALSE, ]

nrow(black1996a)

nrow(black1996a)/nrow(black1996)

data1996a <- data1996

#Men

data1996a <- data1996a[data1996a$sex == "Male", ]

data1996a <- data1996a[is.na(data1996a$sex) == FALSE, ]

#Ages 22-30

data1996a <- data1996a[data1996a$age < 31, ]

data1996a <- data1996a[data1996a$age > 21, ]

data1996a <- data1996a[is.na(data1996a$age) == FALSE, ]

#Race restriction

white1996 <- data1996a[data1996a$race == "White", ]

white1996 <- white1996[is.na(white1996$race) == FALSE, ]

#Noncollege

white1996 <- white1996[white1996$grade92 != "Some College But No Degree", ]

white1996 <- white1996[white1996$grade92 != "Associate Degree-Occupational/Vocational", ]

white1996 <- white1996[white1996$grade92 != "Associate Deg.-Academic Program", ]

white1996 <- white1996[white1996$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

white1996 <- white1996[white1996$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

white1996 <- white1996[white1996$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

white1996 <- white1996[white1996$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

white1996 <- white1996[is.na(white1996$grade92) == FALSE, ]

white1996 <- white1996[is.na(white1996$schlvl) == TRUE, ]

#Total

white1996 <- white1996[is.na(white1996$lfsr94) == FALSE, ]

nrow(white1996)

#Unemployed

white1996a <- white1996[white1996$lfsr94 != "Employed-At Work", ]

white1996a <- white1996a[white1996a$lfsr94 != "Employed-Absent", ]

white1996a <- white1996a[is.na(white1996a$lfsr94) == FALSE, ]

nrow(white1996a)

nrow(white1996a)/nrow(white1996)

#Data -- 1997

library(foreign)

data1997 <- read.dta("morg97.dta")

data1997a <- data1997

#Men

data1997a <- data1997a[data1997a$sex == "Male", ]

data1997a <- data1997a[is.na(data1997a$sex) == FALSE, ]

#Ages 22-30

data1997a <- data1997a[data1997a$age < 31, ]

data1997a <- data1997a[data1997a$age > 21, ]

data1997a <- data1997a[is.na(data1997a$age) == FALSE, ]

#Race restriction

black1997 <- data1997a[data1997a$race == "Black", ]

black1997 <- black1997[is.na(black1997$race) == FALSE, ]

#Noncollege

black1997 <- black1997[black1997$grade92 != "Some College But No Degree", ]

black1997 <- black1997[black1997$grade92 != "Associate Degree-Occupational/Vocational", ]

black1997 <- black1997[black1997$grade92 != "Associate Deg.-Academic Program", ]

black1997 <- black1997[black1997$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

black1997 <- black1997[black1997$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

black1997 <- black1997[black1997$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

black1997 <- black1997[black1997$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

black1997 <- black1997[is.na(black1997$grade92) == FALSE, ]

black1997 <- black1997[is.na(black1997$schlvl) == TRUE, ]

#Total

black1997 <- black1997[is.na(black1997$lfsr94) == FALSE, ]

nrow(black1997)

#Unemployed

black1997a <- black1997[black1997$lfsr94 != "Employed-At Work", ]

black1997a <- black1997a[black1997a$lfsr94 != "Employed-Absent", ]

black1997a <- black1997a[is.na(black1997a$lfsr94) == FALSE, ]

nrow(black1997a)

nrow(black1997a)/nrow(black1997)

data1997a <- data1997

#Men

data1997a <- data1997a[data1997a$sex == "Male", ]

data1997a <- data1997a[is.na(data1997a$sex) == FALSE, ]

#Ages 22-30

data1997a <- data1997a[data1997a$age < 31, ]

data1997a <- data1997a[data1997a$age > 21, ]

data1997a <- data1997a[is.na(data1997a$age) == FALSE, ]

#Race restriction

white1997 <- data1997a[data1997a$race == "White", ]

white1997 <- white1997[is.na(white1997$race) == FALSE, ]

#Noncollege

white1997 <- white1997[white1997$grade92 != "Some College But No Degree", ]

white1997 <- white1997[white1997$grade92 != "Associate Degree-Occupational/Vocational", ]

white1997 <- white1997[white1997$grade92 != "Associate Deg.-Academic Program", ]

white1997 <- white1997[white1997$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

white1997 <- white1997[white1997$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

white1997 <- white1997[white1997$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

white1997 <- white1997[white1997$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

white1997 <- white1997[is.na(white1997$grade92) == FALSE, ]

white1997 <- white1997[is.na(white1997$schlvl) == TRUE, ]

#Total

white1997 <- white1997[is.na(white1997$lfsr94) == FALSE, ]

nrow(white1997)

#Unemployed

white1997a <- white1997[white1997$lfsr94 != "Employed-At Work", ]

white1997a <- white1997a[white1997a$lfsr94 != "Employed-Absent", ]

white1997a <- white1997a[is.na(white1997a$lfsr94) == FALSE, ]

nrow(white1997a)

nrow(white1997a)/nrow(white1997)

#Data -- 1998

library(foreign)

data1998 <- read.dta("morg98.dta")

data1998a <- data1998

#Men

data1998a <- data1998a[data1998a$sex == "Male", ]

data1998a <- data1998a[is.na(data1998a$sex) == FALSE, ]

#Ages 22-30

data1998a <- data1998a[data1998a$age < 31, ]

data1998a <- data1998a[data1998a$age > 21, ]

data1998a <- data1998a[is.na(data1998a$age) == FALSE, ]

#Race restriction

black1998 <- data1998a[data1998a$race == "Black", ]

black1998 <- black1998[is.na(black1998$race) == FALSE, ]

#Noncollege

black1998 <- black1998[black1998$grade92 != "Some College But No Degree", ]

black1998 <- black1998[black1998$grade92 != "Associate Degree-Occupational/Vocational", ]

black1998 <- black1998[black1998$grade92 != "Associate Deg.-Academic Program", ]

black1998 <- black1998[black1998$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

black1998 <- black1998[black1998$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

black1998 <- black1998[black1998$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

black1998 <- black1998[black1998$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

black1998 <- black1998[is.na(black1998$grade92) == FALSE, ]

black1998 <- black1998[is.na(black1998$schlvl) == TRUE, ]

#Total

black1998 <- black1998[is.na(black1998$lfsr94) == FALSE, ]

nrow(black1998)

#Unemployed

black1998a <- black1998[black1998$lfsr94 != "Employed-At Work", ]

black1998a <- black1998a[black1998a$lfsr94 != "Employed-Absent", ]

black1998a <- black1998a[is.na(black1998a$lfsr94) == FALSE, ]

nrow(black1998a)

nrow(black1998a)/nrow(black1998)

data1998a <- data1998

#Men

data1998a <- data1998a[data1998a$sex == "Male", ]

data1998a <- data1998a[is.na(data1998a$sex) == FALSE, ]

#Ages 22-30

data1998a <- data1998a[data1998a$age < 31, ]

data1998a <- data1998a[data1998a$age > 21, ]

data1998a <- data1998a[is.na(data1998a$age) == FALSE, ]

#Race restriction

white1998 <- data1998a[data1998a$race == "White", ]

white1998 <- white1998[is.na(white1998$race) == FALSE, ]

#Noncollege

white1998 <- white1998[white1998$grade92 != "Some College But No Degree", ]

white1998 <- white1998[white1998$grade92 != "Associate Degree-Occupational/Vocational", ]

white1998 <- white1998[white1998$grade92 != "Associate Deg.-Academic Program", ]

white1998 <- white1998[white1998$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

white1998 <- white1998[white1998$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

white1998 <- white1998[white1998$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

white1998 <- white1998[white1998$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

white1998 <- white1998[is.na(white1998$grade92) == FALSE, ]

white1998 <- white1998[is.na(white1998$schlvl) == TRUE, ]

#Total

white1998 <- white1998[is.na(white1998$lfsr94) == FALSE, ]

nrow(white1998)

#Unemployed

white1998a <- white1998[white1998$lfsr94 != "Employed-At Work", ]

white1998a <- white1998a[white1998a$lfsr94 != "Employed-Absent", ]

white1998a <- white1998a[is.na(white1998a$lfsr94) == FALSE, ]

nrow(white1998a)

nrow(white1998a)/nrow(white1998)

#Data -- 1999

library(foreign)

data1999 <- read.dta("morg99.dta")

data1999a <- data1999

#Men

data1999a <- data1999a[data1999a$sex == "Male", ]

data1999a <- data1999a[is.na(data1999a$sex) == FALSE, ]

#Ages 22-30

data1999a <- data1999a[data1999a$age < 31, ]

data1999a <- data1999a[data1999a$age > 21, ]

data1999a <- data1999a[is.na(data1999a$age) == FALSE, ]

#Race restriction

black1999 <- data1999a[data1999a$race == "Black", ]

black1999 <- black1999[is.na(black1999$race) == FALSE, ]

#Noncollege

black1999 <- black1999[black1999$grade92 != "Some College But No Degree", ]

black1999 <- black1999[black1999$grade92 != "Associate Degree-Occupational/Vocational", ]

black1999 <- black1999[black1999$grade92 != "Associate Deg.-Academic Program", ]

black1999 <- black1999[black1999$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

black1999 <- black1999[black1999$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

black1999 <- black1999[black1999$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

black1999 <- black1999[black1999$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

black1999 <- black1999[is.na(black1999$grade92) == FALSE, ]

black1999 <- black1999[is.na(black1999$schlvl) == TRUE, ]

#Total

black1999 <- black1999[is.na(black1999$lfsr94) == FALSE, ]

nrow(black1999)

#Unemployed

black1999a <- black1999[black1999$lfsr94 != "Employed-At Work", ]

black1999a <- black1999a[black1999a$lfsr94 != "Employed-Absent", ]

black1999a <- black1999a[is.na(black1999a$lfsr94) == FALSE, ]

nrow(black1999a)

nrow(black1999a)/nrow(black1999)

data1999a <- data1999

#Men

data1999a <- data1999a[data1999a$sex == "Male", ]

data1999a <- data1999a[is.na(data1999a$sex) == FALSE, ]

#Ages 22-30

data1999a <- data1999a[data1999a$age < 31, ]

data1999a <- data1999a[data1999a$age > 21, ]

data1999a <- data1999a[is.na(data1999a$age) == FALSE, ]

#Race restriction

white1999 <- data1999a[data1999a$race == "White", ]

white1999 <- white1999[is.na(white1999$race) == FALSE, ]

#Noncollege

white1999 <- white1999[white1999$grade92 != "Some College But No Degree", ]

white1999 <- white1999[white1999$grade92 != "Associate Degree-Occupational/Vocational", ]

white1999 <- white1999[white1999$grade92 != "Associate Deg.-Academic Program", ]

white1999 <- white1999[white1999$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

white1999 <- white1999[white1999$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

white1999 <- white1999[white1999$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

white1999 <- white1999[white1999$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

white1999 <- white1999[is.na(white1999$grade92) == FALSE, ]

white1999 <- white1999[is.na(white1999$schlvl) == TRUE, ]

#Total

white1999 <- white1999[is.na(white1999$lfsr94) == FALSE, ]

nrow(white1999)

#Unemployed

white1999a <- white1999[white1999$lfsr94 != "Employed-At Work", ]

white1999a <- white1999a[white1999a$lfsr94 != "Employed-Absent", ]

white1999a <- white1999a[is.na(white1999a$lfsr94) == FALSE, ]

nrow(white1999a)

nrow(white1999a)/nrow(white1999)

#Data -- 2000

library(foreign)

data2000 <- read.dta("morg00.dta")

data2000a <- data2000

#Men

data2000a <- data2000a[data2000a$sex == "Male", ]

data2000a <- data2000a[is.na(data2000a$sex) == FALSE, ]

#Ages 22-30

data2000a <- data2000a[data2000a$age < 31, ]

data2000a <- data2000a[data2000a$age > 21, ]

data2000a <- data2000a[is.na(data2000a$age) == FALSE, ]

#Race restriction

black2000 <- data2000a[data2000a$race == "Black", ]

black2000 <- black2000[is.na(black2000$race) == FALSE, ]

#Noncollege

black2000 <- black2000[black2000$grade92 != "Some College But No Degree", ]

black2000 <- black2000[black2000$grade92 != "Associate Degree-Occupational/Vocational", ]

black2000 <- black2000[black2000$grade92 != "Associate Deg.-Academic Program", ]

black2000 <- black2000[black2000$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

black2000 <- black2000[black2000$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

black2000 <- black2000[black2000$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

black2000 <- black2000[black2000$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

black2000 <- black2000[is.na(black2000$grade92) == FALSE, ]

black2000 <- black2000[is.na(black2000$schlvl) == TRUE, ]

#Total

black2000 <- black2000[is.na(black2000$lfsr94) == FALSE, ]

nrow(black2000)

#Unemployed

black2000a <- black2000[black2000$lfsr94 != "Employed-At Work", ]

black2000a <- black2000a[black2000a$lfsr94 != "Employed-Absent", ]

black2000a <- black2000a[is.na(black2000a$lfsr94) == FALSE, ]

nrow(black2000a)

nrow(black2000a)/nrow(black2000)

data2000a <- data2000

#Men

data2000a <- data2000a[data2000a$sex == "Male", ]

data2000a <- data2000a[is.na(data2000a$sex) == FALSE, ]

#Ages 22-30

data2000a <- data2000a[data2000a$age < 31, ]

data2000a <- data2000a[data2000a$age > 21, ]

data2000a <- data2000a[is.na(data2000a$age) == FALSE, ]

#Race restriction

white2000 <- data2000a[data2000a$race == "White", ]

white2000 <- white2000[is.na(white2000$race) == FALSE, ]

#Noncollege

white2000 <- white2000[white2000$grade92 != "Some College But No Degree", ]

white2000 <- white2000[white2000$grade92 != "Associate Degree-Occupational/Vocational", ]

white2000 <- white2000[white2000$grade92 != "Associate Deg.-Academic Program", ]

white2000 <- white2000[white2000$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

white2000 <- white2000[white2000$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

white2000 <- white2000[white2000$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

white2000 <- white2000[white2000$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

white2000 <- white2000[is.na(white2000$grade92) == FALSE, ]

white2000 <- white2000[is.na(white2000$schlvl) == TRUE, ]

#Total

white2000 <- white2000[is.na(white2000$lfsr94) == FALSE, ]

nrow(white2000)

#Unemployed

white2000a <- white2000[white2000$lfsr94 != "Employed-At Work", ]

white2000a <- white2000a[white2000a$lfsr94 != "Employed-Absent", ]

white2000a <- white2000a[is.na(white2000a$lfsr94) == FALSE, ]

nrow(white2000a)

nrow(white2000a)/nrow(white2000)

#Data -- 2001

library(foreign)

data2001 <- read.dta("morg01.dta")

data2001a <- data2001

#Men

data2001a <- data2001a[data2001a$sex == "Male", ]

data2001a <- data2001a[is.na(data2001a$sex) == FALSE, ]

#Ages 22-30

data2001a <- data2001a[data2001a$age < 31, ]

data2001a <- data2001a[data2001a$age > 21, ]

data2001a <- data2001a[is.na(data2001a$age) == FALSE, ]

#Race restriction

black2001 <- data2001a[data2001a$race == "Black", ]

black2001 <- black2001[is.na(black2001$race) == FALSE, ]

#Noncollege

black2001 <- black2001[black2001$grade92 != "Some College But No Degree", ]

black2001 <- black2001[black2001$grade92 != "Associate Degree-Occupational/Vocational", ]

black2001 <- black2001[black2001$grade92 != "Associate Deg.-Academic Program", ]

black2001 <- black2001[black2001$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

black2001 <- black2001[black2001$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

black2001 <- black2001[black2001$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

black2001 <- black2001[black2001$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

black2001 <- black2001[is.na(black2001$grade92) == FALSE, ]

black2001 <- black2001[is.na(black2001$schlvl) == TRUE, ]

#Total

black2001 <- black2001[is.na(black2001$lfsr94) == FALSE, ]

nrow(black2001)

#Unemployed

black2001a <- black2001[black2001$lfsr94 != "Employed-At Work", ]

black2001a <- black2001a[black2001a$lfsr94 != "Employed-Absent", ]

black2001a <- black2001a[is.na(black2001a$lfsr94) == FALSE, ]

nrow(black2001a)

nrow(black2001a)/nrow(black2001)

data2001a <- data2001

#Men

data2001a <- data2001a[data2001a$sex == "Male", ]

data2001a <- data2001a[is.na(data2001a$sex) == FALSE, ]

#Ages 22-30

data2001a <- data2001a[data2001a$age < 31, ]

data2001a <- data2001a[data2001a$age > 21, ]

data2001a <- data2001a[is.na(data2001a$age) == FALSE, ]

#Race restriction

white2001 <- data2001a[data2001a$race == "White", ]

white2001 <- white2001[is.na(white2001$race) == FALSE, ]

#Noncollege

white2001 <- white2001[white2001$grade92 != "Some College But No Degree", ]

white2001 <- white2001[white2001$grade92 != "Associate Degree-Occupational/Vocational", ]

white2001 <- white2001[white2001$grade92 != "Associate Deg.-Academic Program", ]

white2001 <- white2001[white2001$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

white2001 <- white2001[white2001$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

white2001 <- white2001[white2001$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

white2001 <- white2001[white2001$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

white2001 <- white2001[is.na(white2001$grade92) == FALSE, ]

white2001 <- white2001[is.na(white2001$schlvl) == TRUE, ]

#Total

white2001 <- white2001[is.na(white2001$lfsr94) == FALSE, ]

nrow(white2001)

#Unemployed

white2001a <- white2001[white2001$lfsr94 != "Employed-At Work", ]

white2001a <- white2001a[white2001a$lfsr94 != "Employed-Absent", ]

white2001a <- white2001a[is.na(white2001a$lfsr94) == FALSE, ]

nrow(white2001a)

nrow(white2001a)/nrow(white2001)

#Data -- 2002

library(foreign)

data2002 <- read.dta("morg02.dta")

data2002a <- data2002

#Men

data2002a <- data2002a[data2002a$sex == "Male", ]

data2002a <- data2002a[is.na(data2002a$sex) == FALSE, ]

#Ages 22-30

data2002a <- data2002a[data2002a$age < 31, ]

data2002a <- data2002a[data2002a$age > 21, ]

data2002a <- data2002a[is.na(data2002a$age) == FALSE, ]

#Race restriction

black2002 <- data2002a[data2002a$race == "Black", ]

black2002 <- black2002[is.na(black2002$race) == FALSE, ]

#Noncollege

black2002 <- black2002[black2002$grade92 != "Some College But No Degree", ]

black2002 <- black2002[black2002$grade92 != "Associate Degree-Occupational/Vocational", ]

black2002 <- black2002[black2002$grade92 != "Associate Deg.-Academic Program", ]

black2002 <- black2002[black2002$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

black2002 <- black2002[black2002$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

black2002 <- black2002[black2002$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

black2002 <- black2002[black2002$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

black2002 <- black2002[is.na(black2002$grade92) == FALSE, ]

black2002 <- black2002[is.na(black2002$schlvl) == TRUE, ]

#Total

black2002 <- black2002[is.na(black2002$lfsr94) == FALSE, ]

nrow(black2002)

#Unemployed

black2002a <- black2002[black2002$lfsr94 != "Employed-At Work", ]

black2002a <- black2002a[black2002a$lfsr94 != "Employed-Absent", ]

black2002a <- black2002a[is.na(black2002a$lfsr94) == FALSE, ]

nrow(black2002a)

nrow(black2002a)/nrow(black2002)

data2002a <- data2002

#Men

data2002a <- data2002a[data2002a$sex == "Male", ]

data2002a <- data2002a[is.na(data2002a$sex) == FALSE, ]

#Ages 22-30

data2002a <- data2002a[data2002a$age < 31, ]

data2002a <- data2002a[data2002a$age > 21, ]

data2002a <- data2002a[is.na(data2002a$age) == FALSE, ]

#Race restriction

white2002 <- data2002a[data2002a$race == "White", ]

white2002 <- white2002[is.na(white2002$race) == FALSE, ]

#Noncollege

white2002 <- white2002[white2002$grade92 != "Some College But No Degree", ]

white2002 <- white2002[white2002$grade92 != "Associate Degree-Occupational/Vocational", ]

white2002 <- white2002[white2002$grade92 != "Associate Deg.-Academic Program", ]

white2002 <- white2002[white2002$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

white2002 <- white2002[white2002$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

white2002 <- white2002[white2002$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

white2002 <- white2002[white2002$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

white2002 <- white2002[is.na(white2002$grade92) == FALSE, ]

white2002 <- white2002[is.na(white2002$schlvl) == TRUE, ]

#Total

white2002 <- white2002[is.na(white2002$lfsr94) == FALSE, ]

nrow(white2002)

#Unemployed

white2002a <- white2002[white2002$lfsr94 != "Employed-At Work", ]

white2002a <- white2002a[white2002a$lfsr94 != "Employed-Absent", ]

white2002a <- white2002a[is.na(white2002a$lfsr94) == FALSE, ]

nrow(white2002a)

nrow(white2002a)/nrow(white2002)

#Data -- 2003

library(foreign)

data2003 <- read.dta("morg03.dta")

data2003a <- data2003

#Men

data2003a <- data2003a[data2003a$sex == "Male", ]

data2003a <- data2003a[is.na(data2003a$sex) == FALSE, ]

#Ages 22-30

data2003a <- data2003a[data2003a$age < 31, ]

data2003a <- data2003a[data2003a$age > 21, ]

data2003a <- data2003a[is.na(data2003a$age) == FALSE, ]

#Race restriction

black2003 <- data2003a[data2003a$race == "Black Only", ]

black2003 <- black2003[is.na(black2003$race) == FALSE, ]

#Noncollege

black2003 <- black2003[black2003$grade92 != "Some College But No Degree", ]

black2003 <- black2003[black2003$grade92 != "Associate Degree-Occupational/Vocational", ]

black2003 <- black2003[black2003$grade92 != "Associate Deg.-Academic Program", ]

black2003 <- black2003[black2003$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

black2003 <- black2003[black2003$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

black2003 <- black2003[black2003$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

black2003 <- black2003[black2003$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

black2003 <- black2003[is.na(black2003$grade92) == FALSE, ]

black2003 <- black2003[is.na(black2003$schlvl) == TRUE, ]

#Total

black2003 <- black2003[is.na(black2003$lfsr94) == FALSE, ]

nrow(black2003)

#Unemployed

black2003a <- black2003[black2003$lfsr94 != "Employed-At Work", ]

black2003a <- black2003a[black2003a$lfsr94 != "Employed-Absent", ]

black2003a <- black2003a[is.na(black2003a$lfsr94) == FALSE, ]

nrow(black2003a)

nrow(black2003a)/nrow(black2003)

data2003a <- data2003

#Men

data2003a <- data2003a[data2003a$sex == "Male", ]

data2003a <- data2003a[is.na(data2003a$sex) == FALSE, ]

#Ages 22-30

data2003a <- data2003a[data2003a$age < 31, ]

data2003a <- data2003a[data2003a$age > 21, ]

data2003a <- data2003a[is.na(data2003a$age) == FALSE, ]

#Race restriction

white2003 <- data2003a[data2003a$race == "White Only", ]

white2003 <- white2003[is.na(white2003$race) == FALSE, ]

#Noncollege

white2003 <- white2003[white2003$grade92 != "Some College But No Degree", ]

white2003 <- white2003[white2003$grade92 != "Associate Degree-Occupational/Vocational", ]

white2003 <- white2003[white2003$grade92 != "Associate Deg.-Academic Program", ]

white2003 <- white2003[white2003$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

white2003 <- white2003[white2003$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

white2003 <- white2003[white2003$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

white2003 <- white2003[white2003$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

white2003 <- white2003[is.na(white2003$grade92) == FALSE, ]

white2003 <- white2003[is.na(white2003$schlvl) == TRUE, ]

#Total

white2003 <- white2003[is.na(white2003$lfsr94) == FALSE, ]

nrow(white2003)

#Unemployed

white2003a <- white2003[white2003$lfsr94 != "Employed-At Work", ]

white2003a <- white2003a[white2003a$lfsr94 != "Employed-Absent", ]

white2003a <- white2003a[is.na(white2003a$lfsr94) == FALSE, ]

nrow(white2003a)

nrow(white2003a)/nrow(white2003)

#Data -- 2004

library(foreign)

data2004 <- read.dta("morg04.dta")

data2004a <- data2004

#Men

data2004a <- data2004a[data2004a$sex == "Male", ]

data2004a <- data2004a[is.na(data2004a$sex) == FALSE, ]

#Ages 22-30

data2004a <- data2004a[data2004a$age < 31, ]

data2004a <- data2004a[data2004a$age > 21, ]

data2004a <- data2004a[is.na(data2004a$age) == FALSE, ]

#Race restriction

black2004 <- data2004a[data2004a$race == "Black Only", ]

black2004 <- black2004[is.na(black2004$race) == FALSE, ]

#Noncollege

black2004 <- black2004[black2004$grade92 != "Some College But No Degree", ]

black2004 <- black2004[black2004$grade92 != "Associate Degree-Occupational/Vocational", ]

black2004 <- black2004[black2004$grade92 != "Associate Deg.-Academic Program", ]

black2004 <- black2004[black2004$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

black2004 <- black2004[black2004$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

black2004 <- black2004[black2004$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

black2004 <- black2004[black2004$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

black2004 <- black2004[is.na(black2004$grade92) == FALSE, ]

black2004 <- black2004[is.na(black2004$schlvl) == TRUE, ]

#Total

black2004 <- black2004[is.na(black2004$lfsr94) == FALSE, ]

nrow(black2004)

#Unemployed

black2004a <- black2004[black2004$lfsr94 != "Employed-At Work", ]

black2004a <- black2004a[black2004a$lfsr94 != "Employed-Absent", ]

black2004a <- black2004a[is.na(black2004a$lfsr94) == FALSE, ]

nrow(black2004a)

nrow(black2004a)/nrow(black2004)

data2004a <- data2004

#Men

data2004a <- data2004a[data2004a$sex == "Male", ]

data2004a <- data2004a[is.na(data2004a$sex) == FALSE, ]

#Ages 22-30

data2004a <- data2004a[data2004a$age < 31, ]

data2004a <- data2004a[data2004a$age > 21, ]

data2004a <- data2004a[is.na(data2004a$age) == FALSE, ]

#Race restriction

white2004 <- data2004a[data2004a$race == "White Only", ]

white2004 <- white2004[is.na(white2004$race) == FALSE, ]

#Noncollege

white2004 <- white2004[white2004$grade92 != "Some College But No Degree", ]

white2004 <- white2004[white2004$grade92 != "Associate Degree-Occupational/Vocational", ]

white2004 <- white2004[white2004$grade92 != "Associate Deg.-Academic Program", ]

white2004 <- white2004[white2004$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

white2004 <- white2004[white2004$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

white2004 <- white2004[white2004$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

white2004 <- white2004[white2004$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

white2004 <- white2004[is.na(white2004$grade92) == FALSE, ]

white2004 <- white2004[is.na(white2004$schlvl) == TRUE, ]

#Total

white2004 <- white2004[is.na(white2004$lfsr94) == FALSE, ]

nrow(white2004)

#Unemployed

white2004a <- white2004[white2004$lfsr94 != "Employed-At Work", ]

white2004a <- white2004a[white2004a$lfsr94 != "Employed-Absent", ]

white2004a <- white2004a[is.na(white2004a$lfsr94) == FALSE, ]

nrow(white2004a)

nrow(white2004a)/nrow(white2004)

#Data -- 2005

library(foreign)

data2005 <- read.dta("morg05.dta")

data2005a <- data2005

#Men

data2005a <- data2005a[data2005a$sex == "Male", ]

data2005a <- data2005a[is.na(data2005a$sex) == FALSE, ]

#Ages 22-30

data2005a <- data2005a[data2005a$age < 31, ]

data2005a <- data2005a[data2005a$age > 21, ]

data2005a <- data2005a[is.na(data2005a$age) == FALSE, ]

#Race restriction

black2005 <- data2005a[data2005a$race == "Black Only", ]

black2005 <- black2005[is.na(black2005$race) == FALSE, ]

#Noncollege

black2005 <- black2005[black2005$grade92 != "Some College But No Degree", ]

black2005 <- black2005[black2005$grade92 != "Associate Degree-Occupational/Vocational", ]

black2005 <- black2005[black2005$grade92 != "Associate Deg.-Academic Program", ]

black2005 <- black2005[black2005$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

black2005 <- black2005[black2005$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

black2005 <- black2005[black2005$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

black2005 <- black2005[black2005$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

black2005 <- black2005[is.na(black2005$grade92) == FALSE, ]

black2005 <- black2005[is.na(black2005$schlvl) == TRUE, ]

#Total

black2005 <- black2005[is.na(black2005$lfsr94) == FALSE, ]

nrow(black2005)

#Unemployed

black2005a <- black2005[black2005$lfsr94 != "Employed-At Work", ]

black2005a <- black2005a[black2005a$lfsr94 != "Employed-Absent", ]

black2005a <- black2005a[is.na(black2005a$lfsr94) == FALSE, ]

nrow(black2005a)

nrow(black2005a)/nrow(black2005)

data2005a <- data2005

#Men

data2005a <- data2005a[data2005a$sex == "Male", ]

data2005a <- data2005a[is.na(data2005a$sex) == FALSE, ]

#Ages 22-30

data2005a <- data2005a[data2005a$age < 31, ]

data2005a <- data2005a[data2005a$age > 21, ]

data2005a <- data2005a[is.na(data2005a$age) == FALSE, ]

#Race restriction

white2005 <- data2005a[data2005a$race == "White Only", ]

white2005 <- white2005[is.na(white2005$race) == FALSE, ]

#Noncollege

white2005 <- white2005[white2005$grade92 != "Some College But No Degree", ]

white2005 <- white2005[white2005$grade92 != "Associate Degree-Occupational/Vocational", ]

white2005 <- white2005[white2005$grade92 != "Associate Deg.-Academic Program", ]

white2005 <- white2005[white2005$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

white2005 <- white2005[white2005$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

white2005 <- white2005[white2005$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

white2005 <- white2005[white2005$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

white2005 <- white2005[is.na(white2005$grade92) == FALSE, ]

white2005 <- white2005[is.na(white2005$schlvl) == TRUE, ]

#Total

white2005 <- white2005[is.na(white2005$lfsr94) == FALSE, ]

nrow(white2005)

#Unemployed

white2005a <- white2005[white2005$lfsr94 != "Employed-At Work", ]

white2005a <- white2005a[white2005a$lfsr94 != "Employed-Absent", ]

white2005a <- white2005a[is.na(white2005a$lfsr94) == FALSE, ]

nrow(white2005a)

nrow(white2005a)/nrow(white2005)

#Data -- 2006

library(foreign)

data2006 <- read.dta("morg06.dta")

data2006a <- data2006

#Men

data2006a <- data2006a[data2006a$sex == "Male", ]

data2006a <- data2006a[is.na(data2006a$sex) == FALSE, ]

#Ages 22-30

data2006a <- data2006a[data2006a$age < 31, ]

data2006a <- data2006a[data2006a$age > 21, ]

data2006a <- data2006a[is.na(data2006a$age) == FALSE, ]

#Race restriction

black2006 <- data2006a[data2006a$race == "Black Only", ]

black2006 <- black2006[is.na(black2006$race) == FALSE, ]

#Noncollege

black2006 <- black2006[black2006$grade92 != "Some College But No Degree", ]

black2006 <- black2006[black2006$grade92 != "Associate Degree-Occupational/Vocational", ]

black2006 <- black2006[black2006$grade92 != "Associate Deg.-Academic Program", ]

black2006 <- black2006[black2006$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

black2006 <- black2006[black2006$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

black2006 <- black2006[black2006$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

black2006 <- black2006[black2006$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

black2006 <- black2006[is.na(black2006$grade92) == FALSE, ]

black2006 <- black2006[is.na(black2006$schlvl) == TRUE, ]

#Total

black2006 <- black2006[is.na(black2006$lfsr94) == FALSE, ]

nrow(black2006)

#Unemployed

black2006a <- black2006[black2006$lfsr94 != "Employed-At Work", ]

black2006a <- black2006a[black2006a$lfsr94 != "Employed-Absent", ]

black2006a <- black2006a[is.na(black2006a$lfsr94) == FALSE, ]

nrow(black2006a)

nrow(black2006a)/nrow(black2006)

data2006a <- data2006

#Men

data2006a <- data2006a[data2006a$sex == "Male", ]

data2006a <- data2006a[is.na(data2006a$sex) == FALSE, ]

#Ages 22-30

data2006a <- data2006a[data2006a$age < 31, ]

data2006a <- data2006a[data2006a$age > 21, ]

data2006a <- data2006a[is.na(data2006a$age) == FALSE, ]

#Race restriction

white2006 <- data2006a[data2006a$race == "White Only", ]

white2006 <- white2006[is.na(white2006$race) == FALSE, ]

#Noncollege

white2006 <- white2006[white2006$grade92 != "Some College But No Degree", ]

white2006 <- white2006[white2006$grade92 != "Associate Degree-Occupational/Vocational", ]

white2006 <- white2006[white2006$grade92 != "Associate Deg.-Academic Program", ]

white2006 <- white2006[white2006$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]

white2006 <- white2006[white2006$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]

white2006 <- white2006[white2006$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]

white2006 <- white2006[white2006$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]

white2006 <- white2006[is.na(white2006$grade92) == FALSE, ]

white2006 <- white2006[is.na(white2006$schlvl) == TRUE, ]

#Total

white2006 <- white2006[is.na(white2006$lfsr94) == FALSE, ]

nrow(white2006)

#Unemployed

white2006a <- white2006[white2006$lfsr94 != "Employed-At Work", ]

white2006a <- white2006a[white2006a$lfsr94 != "Employed-Absent", ]

white2006a <- white2006a[is.na(white2006a$lfsr94) == FALSE, ]

nrow(white2006a)

nrow(white2006a)/nrow(white2006)

#Data -- 2007

library(foreign)

data2007 <- read.dta("morg07.dta")

data2007a <- data2007

#Men

data2007a <- data2007a[data2007a$sex == 1, ]

data2007a <- data2007a[is.na(data2007a$sex) == FALSE, ]

#Ages 22-30

data2007a <- data2007a[data2007a$age < 31, ]

data2007a <- data2007a[data2007a$age > 21, ]

data2007a <- data2007a[is.na(data2007a$age) == FALSE, ]

#Race restriction

black2007 <- data2007a[data2007a$race == 2, ]

black2007 <- black2007[is.na(black2007$race) == FALSE, ]

#Noncollege

black2007 <- black2007[black2007$grade92 < 40, ]

black2007 <- black2007[is.na(black2007$grade92) == FALSE, ]

black2007 <- black2007[is.na(black2007$schlvl) == TRUE, ]

#Total

black2007 <- black2007[is.na(black2007$lfsr94) == FALSE, ]

nrow(black2007)

#Unemployed

black2007a <- black2007[black2007$lfsr94 != "Employed-At Work", ]

black2007a <- black2007a[black2007a$lfsr94 != "Employed-Absent", ]

black2007a <- black2007a[is.na(black2007a$lfsr94) == FALSE, ]

nrow(black2007a)

nrow(black2007a)/nrow(black2007)

data2007a <- data2007

#Men

data2007a <- data2007a[data2007a$sex == 1, ]

data2007a <- data2007a[is.na(data2007a$sex) == FALSE, ]

#Ages 22-30

data2007a <- data2007a[data2007a$age < 31, ]

data2007a <- data2007a[data2007a$age > 21, ]

data2007a <- data2007a[is.na(data2007a$age) == FALSE, ]

#Race restriction

white2007 <- data2007a[data2007a$race == 1, ]

white2007 <- white2007[is.na(white2007$race) == FALSE, ]

#Noncollege

white2007 <- white2007[white2007$grade92 < 40, ]

white2007 <- white2007[is.na(white2007$grade92) == FALSE, ]

white2007 <- white2007[is.na(white2007$schlvl) == TRUE, ]

#Total

white2007 <- white2007[is.na(white2007$lfsr94) == FALSE, ]

nrow(white2007)

#Unemployed

white2007a <- white2007[white2007$lfsr94 != "Employed-At Work", ]

white2007a <- white2007a[white2007a$lfsr94 != "Employed-Absent", ]

white2007a <- white2007a[is.na(white2007a$lfsr94) == FALSE, ]

nrow(white2007a)

nrow(white2007a)/nrow(white2007)

#Data -- 2008

library(foreign)

data2008 <- read.dta("morg08.dta")

data2008a <- data2008

#Men

data2008a <- data2008a[data2008a$sex == 1, ]

data2008a <- data2008a[is.na(data2008a$sex) == FALSE, ]

#Ages 22-30

data2008a <- data2008a[data2008a$age < 31, ]

data2008a <- data2008a[data2008a$age > 21, ]

data2008a <- data2008a[is.na(data2008a$age) == FALSE, ]

#Race restriction

black2008 <- data2008a[data2008a$race == 2, ]

black2008 <- black2008[is.na(black2008$race) == FALSE, ]

#Noncollege

black2008 <- black2008[black2008$grade92 < 40, ]

black2008 <- black2008[is.na(black2008$grade92) == FALSE, ]

black2008 <- black2008[is.na(black2008$schlvl) == TRUE, ]

#Total

black2008 <- black2008[is.na(black2008$lfsr94) == FALSE, ]

nrow(black2008)

#Unemployed

black2008a <- black2008[black2008$lfsr94 != "Employed-At Work", ]

black2008a <- black2008a[black2008a$lfsr94 != "Employed-Absent", ]

black2008a <- black2008a[is.na(black2008a$lfsr94) == FALSE, ]

nrow(black2008a)

nrow(black2008a)/nrow(black2008)

data2008a <- data2008

#Men

data2008a <- data2008a[data2008a$sex == 1, ]

data2008a <- data2008a[is.na(data2008a$sex) == FALSE, ]

#Ages 22-30

data2008a <- data2008a[data2008a$age < 31, ]

data2008a <- data2008a[data2008a$age > 21, ]

data2008a <- data2008a[is.na(data2008a$age) == FALSE, ]

#Race restriction

white2008 <- data2008a[data2008a$race == 1, ]

white2008 <- white2008[is.na(white2008$race) == FALSE, ]

#Noncollege

white2008 <- white2008[white2008$grade92 < 40, ]

white2008 <- white2008[is.na(white2008$grade92) == FALSE, ]

white2008 <- white2008[is.na(white2008$schlvl) == TRUE, ]

#Total

white2008 <- white2008[is.na(white2008$lfsr94) == FALSE, ]

nrow(white2008)

#Unemployed

white2008a <- white2008[white2008$lfsr94 != "Employed-At Work", ]

white2008a <- white2008a[white2008a$lfsr94 != "Employed-Absent", ]

white2008a <- white2008a[is.na(white2008a$lfsr94) == FALSE, ]

nrow(white2008a)

nrow(white2008a)/nrow(white2008)

#Data -- 2009

library(foreign)

data2009 <- read.dta("morg09.dta")

data2009a <- data2009

#Men

data2009a <- data2009a[data2009a$sex == 1, ]

data2009a <- data2009a[is.na(data2009a$sex) == FALSE, ]

#Ages 22-30

data2009a <- data2009a[data2009a$age < 31, ]

data2009a <- data2009a[data2009a$age > 21, ]

data2009a <- data2009a[is.na(data2009a$age) == FALSE, ]

#Race restriction

black2009 <- data2009a[data2009a$race == 2, ]

black2009 <- black2009[is.na(black2009$race) == FALSE, ]

#Noncollege

black2009 <- black2009[black2009$grade92 < 40, ]

black2009 <- black2009[is.na(black2009$grade92) == FALSE, ]

black2009 <- black2009[is.na(black2009$schlvl) == TRUE, ]

#Total

black2009 <- black2009[is.na(black2009$lfsr94) == FALSE, ]

nrow(black2009)

#Unemployed

black2009a <- black2009[black2009$lfsr94 != "Employed-At Work", ]

black2009a <- black2009a[black2009a$lfsr94 != "Employed-Absent", ]

black2009a <- black2009a[is.na(black2009a$lfsr94) == FALSE, ]

nrow(black2009a)

nrow(black2009a)/nrow(black2009)

data2009a <- data2009

#Men

data2009a <- data2009a[data2009a$sex == 1, ]

data2009a <- data2009a[is.na(data2009a$sex) == FALSE, ]

#Ages 22-30

data2009a <- data2009a[data2009a$age < 31, ]

data2009a <- data2009a[data2009a$age > 21, ]

data2009a <- data2009a[is.na(data2009a$age) == FALSE, ]

#Race restriction

white2009 <- data2009a[data2009a$race == 1, ]

white2009 <- white2009[is.na(white2009$race) == FALSE, ]

#Noncollege

white2009 <- white2009[white2009$grade92 < 40, ]

white2009 <- white2009[is.na(white2009$grade92) == FALSE, ]

white2009 <- white2009[is.na(white2009$schlvl) == TRUE, ]

#Total

white2009 <- white2009[is.na(white2009$lfsr94) == FALSE, ]

nrow(white2009)

#Unemployed

white2009a <- white2009[white2009$lfsr94 != "Employed-At Work", ]

white2009a <- white2009a[white2009a$lfsr94 != "Employed-Absent", ]

white2009a <- white2009a[is.na(white2009a$lfsr94) == FALSE, ]

nrow(white2009a)

nrow(white2009a)/nrow(white2009)

#Data -- 2010

library(foreign)

data2010 <- read.dta("morg10.dta")

data2010a <- data2010

#Men

data2010a <- data2010a[data2010a$sex == 1, ]

data2010a <- data2010a[is.na(data2010a$sex) == FALSE, ]

#Ages 22-30

data2010a <- data2010a[data2010a$age < 31, ]

data2010a <- data2010a[data2010a$age > 21, ]

data2010a <- data2010a[is.na(data2010a$age) == FALSE, ]

#Race restriction

black2010 <- data2010a[data2010a$race == 2, ]

black2010 <- black2010[is.na(black2010$race) == FALSE, ]

#Noncollege

black2010 <- black2010[black2010$grade92 < 40, ]

black2010 <- black2010[is.na(black2010$grade92) == FALSE, ]

black2010 <- black2010[is.na(black2010$schlvl) == TRUE, ]

#Total

black2010 <- black2010[is.na(black2010$lfsr94) == FALSE, ]

nrow(black2010)

#Unemployed

black2010a <- black2010[black2010$lfsr94 != "Employed-At Work", ]

black2010a <- black2010a[black2010a$lfsr94 != "Employed-Absent", ]

black2010a <- black2010a[is.na(black2010a$lfsr94) == FALSE, ]

nrow(black2010a)

nrow(black2010a)/nrow(black2010)

data2010a <- data2010

#Men

data2010a <- data2010a[data2010a$sex == 1, ]

data2010a <- data2010a[is.na(data2010a$sex) == FALSE, ]

#Ages 22-30

data2010a <- data2010a[data2010a$age < 31, ]

data2010a <- data2010a[data2010a$age > 21, ]

data2010a <- data2010a[is.na(data2010a$age) == FALSE, ]

#Race restriction

white2010 <- data2010a[data2010a$race == 1, ]

white2010 <- white2010[is.na(white2010$race) == FALSE, ]

#Noncollege

white2010 <- white2010[white2010$grade92 < 40, ]

white2010 <- white2010[is.na(white2010$grade92) == FALSE, ]

white2010 <- white2010[is.na(white2010$schlvl) == TRUE, ]

#Total

white2010 <- white2010[is.na(white2010$lfsr94) == FALSE, ]

nrow(white2010)

#Unemployed

white2010a <- white2010[white2010$lfsr94 != "Employed-At Work", ]

white2010a <- white2010a[white2010a$lfsr94 != "Employed-Absent", ]

white2010a <- white2010a[is.na(white2010a$lfsr94) == FALSE, ]

nrow(white2010a)

nrow(white2010a)/nrow(white2010)

#Data -- 2011

library(foreign)

data2011 <- read.dta("morg11.dta")

data2011a <- data2011

#Men

data2011a <- data2011a[data2011a$sex == 1, ]

data2011a <- data2011a[is.na(data2011a$sex) == FALSE, ]

#Ages 22-30

data2011a <- data2011a[data2011a$age < 31, ]

data2011a <- data2011a[data2011a$age > 21, ]

data2011a <- data2011a[is.na(data2011a$age) == FALSE, ]

#Race restriction

black2011 <- data2011a[data2011a$race == 2, ]

black2011 <- black2011[is.na(black2011$race) == FALSE, ]

#Noncollege

black2011 <- black2011[black2011$grade92 < 40, ]

black2011 <- black2011[is.na(black2011$grade92) == FALSE, ]

black2011 <- black2011[is.na(black2011$schlvl) == TRUE, ]

#Total

black2011 <- black2011[is.na(black2011$lfsr94) == FALSE, ]

nrow(black2011)

#Unemployed

black2011a <- black2011[black2011$lfsr94 != "Employed-At Work", ]

black2011a <- black2011a[black2011a$lfsr94 != "Employed-Absent", ]

black2011a <- black2011a[is.na(black2011a$lfsr94) == FALSE, ]

nrow(black2011a)

nrow(black2011a)/nrow(black2011)

data2011a <- data2011

#Men

data2011a <- data2011a[data2011a$sex == 1, ]

data2011a <- data2011a[is.na(data2011a$sex) == FALSE, ]

#Ages 22-30

data2011a <- data2011a[data2011a$age < 31, ]

data2011a <- data2011a[data2011a$age > 21, ]

data2011a <- data2011a[is.na(data2011a$age) == FALSE, ]

#Race restriction

white2011 <- data2011a[data2011a$race == 1, ]

white2011 <- white2011[is.na(white2011$race) == FALSE, ]

#Noncollege

white2011 <- white2011[white2011$grade92 < 40, ]

white2011 <- white2011[is.na(white2011$grade92) == FALSE, ]

white2011 <- white2011[is.na(white2011$schlvl) == TRUE, ]

#Total

white2011 <- white2011[is.na(white2011$lfsr94) == FALSE, ]

nrow(white2011)

#Unemployed

white2011a <- white2011[white2011$lfsr94 != "Employed-At Work", ]

white2011a <- white2011a[white2011a$lfsr94 != "Employed-Absent", ]

white2011a <- white2011a[is.na(white2011a$lfsr94) == FALSE, ]

nrow(white2011a)

nrow(white2011a)/nrow(white2011)

#Data -- 2012

library(foreign)

data2012 <- read.dta("morg12.dta")

data2012a <- data2012

#Men

data2012a <- data2012a[data2012a$sex == 1, ]

data2012a <- data2012a[is.na(data2012a$sex) == FALSE, ]

#Ages 22-30

data2012a <- data2012a[data2012a$age < 31, ]

data2012a <- data2012a[data2012a$age > 21, ]

data2012a <- data2012a[is.na(data2012a$age) == FALSE, ]

#Race restriction

black2012 <- data2012a[data2012a$race == 2, ]

black2012 <- black2012[is.na(black2012$race) == FALSE, ]

#Noncollege

black2012 <- black2012[black2012$grade92 < 40, ]

black2012 <- black2012[is.na(black2012$grade92) == FALSE, ]

black2012 <- black2012[is.na(black2012$schlvl) == TRUE, ]

#Total

black2012 <- black2012[is.na(black2012$lfsr94) == FALSE, ]

nrow(black2012)

#Unemployed

black2012a <- black2012[black2012$lfsr94 != "Employed-At Work", ]

black2012a <- black2012a[black2012a$lfsr94 != "Employed-Absent", ]

black2012a <- black2012a[is.na(black2012a$lfsr94) == FALSE, ]

nrow(black2012a)

nrow(black2012a)/nrow(black2012)

data2012a <- data2012

#Men

data2012a <- data2012a[data2012a$sex == 1, ]

data2012a <- data2012a[is.na(data2012a$sex) == FALSE, ]

#Ages 22-30

data2012a <- data2012a[data2012a$age < 31, ]

data2012a <- data2012a[data2012a$age > 21, ]

data2012a <- data2012a[is.na(data2012a$age) == FALSE, ]

#Race restriction

white2012 <- data2012a[data2012a$race == 1, ]

white2012 <- white2012[is.na(white2012$race) == FALSE, ]

#Noncollege

white2012 <- white2012[white2012$grade92 < 40, ]

white2012 <- white2012[is.na(white2012$grade92) == FALSE, ]

white2012 <- white2012[is.na(white2012$schlvl) == TRUE, ]

#Total

white2012 <- white2012[is.na(white2012$lfsr94) == FALSE, ]

nrow(white2012)

#Unemployed

white2012a <- white2012[white2012$lfsr94 != "Employed-At Work", ]

white2012a <- white2012a[white2012a$lfsr94 != "Employed-Absent", ]

white2012a <- white2012a[is.na(white2012a$lfsr94) == FALSE, ]

nrow(white2012a)

nrow(white2012a)/nrow(white2012)

#Data -- 2013

library(foreign)

data2013 <- read.dta("morg13.dta")

data2013a <- data2013

#Men

data2013a <- data2013a[data2013a$sex == 1, ]

data2013a <- data2013a[is.na(data2013a$sex) == FALSE, ]

#Ages 22-30

data2013a <- data2013a[data2013a$age < 31, ]

data2013a <- data2013a[data2013a$age > 21, ]

data2013a <- data2013a[is.na(data2013a$age) == FALSE, ]

#Race restriction

black2013 <- data2013a[data2013a$race == 2, ]

black2013 <- black2013[is.na(black2013$race) == FALSE, ]

#Noncollege

black2013 <- black2013[black2013$grade92 < 40, ]

black2013 <- black2013[is.na(black2013$grade92) == FALSE, ]

black2013 <- black2013[is.na(black2013$schlvl) == TRUE, ]

#Total

black2013 <- black2013[is.na(black2013$lfsr94) == FALSE, ]

nrow(black2013)

#Unemployed

black2013a <- black2013[black2013$lfsr94 != "Employed-At Work", ]

black2013a <- black2013a[black2013a$lfsr94 != "Employed-Absent", ]

black2013a <- black2013a[is.na(black2013a$lfsr94) == FALSE, ]

nrow(black2013a)

nrow(black2013a)/nrow(black2013)

data2013a <- data2013

#Men

data2013a <- data2013a[data2013a$sex == 1, ]

data2013a <- data2013a[is.na(data2013a$sex) == FALSE, ]

#Ages 22-30

data2013a <- data2013a[data2013a$age < 31, ]

data2013a <- data2013a[data2013a$age > 21, ]

data2013a <- data2013a[is.na(data2013a$age) == FALSE, ]

#Race restriction

white2013 <- data2013a[data2013a$race == 1, ]

white2013 <- white2013[is.na(white2013$race) == FALSE, ]

#Noncollege

white2013 <- white2013[white2013$grade92 < 40, ]

white2013 <- white2013[is.na(white2013$grade92) == FALSE, ]

white2013 <- white2013[is.na(white2013$schlvl) == TRUE, ]

#Total

white2013 <- white2013[is.na(white2013$lfsr94) == FALSE, ]

nrow(white2013)

#Unemployed

white2013a <- white2013[white2013$lfsr94 != "Employed-At Work", ]

white2013a <- white2013a[white2013a$lfsr94 != "Employed-Absent", ]

white2013a <- white2013a[is.na(white2013a$lfsr94) == FALSE, ]

nrow(white2013a)

nrow(white2013a)/nrow(white2013)

graph <- read.csv("example\_data.csv")

plot(graph$Ratio~graph$year)

library(stats)

with(graph, scatter.smooth(year,Ratio, span = 2/3, degree = 1,

family = c("symmetric", "gaussian")))

~~#Data – Template (2013)~~

~~library(foreign)~~

~~data1991 <- read.dta("morg91.dta")~~

~~data2013a <- data1991~~

~~#Men~~

~~data2013a <- data2013a[data2013a$sex == "Male", ]~~

~~data2013a <- data2013a[is.na(data2013a$sex) == FALSE, ]~~

~~#Ages 22-30~~

~~data2013a <- data2013a[data2013a$age < 31, ]~~

~~data2013a <- data2013a[data2013a$age > 21, ]~~

~~data2013a <- data2013a[is.na(data2013a$age) == FALSE, ]~~

~~#Race restriction~~

~~black2013 <- data2013a[data2013a$race == "Black", ]~~

~~black2013 <- black2013[is.na(black2013$race) == FALSE, ]~~

~~#Noncollege~~

~~black2013 <- black2013[black2013$gradeat < 13, ]~~

~~#black2013 <- black2013[black2013$grade92 == "High School Grad-Diploma Or Equiv (GED)", ]~~

~~#black2013 <- black2013[black2013$grade92 != "Some College But No Degree", ]~~

~~#black2013 <- black2013[black2013$grade92 != "Associate Degree-Occupational/Vocational", ]~~

~~#black2013 <- black2013[black2013$grade92 != "Associate Deg.-Academic Program", ]~~

~~#black2013 <- black2013[black2013$grade92 != "Bachelor's Degree(ex:ba,ab,bs)", ]~~

~~#black2013 <- black2013[black2013$grade92 != "Master's(ex:MA,MS,MEng,MEd,MSW)", ]~~

~~#black2013 <- black2013[black2013$grade92 != "Professional School Deg(ex:MD,DDS,DVM)", ]~~

~~#black2013 <- black2013[black2013$grade92 != "Doctorate Degree(ex:PhD,EdD)", ]~~

~~black2013 <- black2013[is.na(black2013$gradeat) == FALSE, ]~~

~~black2013 <- black2013[is.na(black2013$schlvl) == TRUE, ]~~

~~#Dropout~~

~~#black2013 <- black2013[black2013$grade92 != "Less Than 1st Grade", ]~~

~~#black2013 <- black2013[black2013$grade92 != "1st,2nd,3rd Or 4th Grade", ]~~

~~#black2013 <- black2013[black2013$grade92 != "5th Or 6th Grade", ]~~

~~#black2013 <- black2013[black2013$grade92 != "7th Or 8th Grade", ]~~

~~#black2013 <- black2013[black2013$grade92 != "High School Grad-Diploma Or Equiv (GED)", ]~~

~~#Total~~

~~black2013 <- black2013[is.na(black2013$lfsr89) == FALSE, ]~~

~~nrow(black2013)~~

~~#Unemployed~~

~~black2013a <- black2013[black2013$lfsr89 != "Employed-At Work", ]~~

~~black2013a <- black2013a[black2013a$lfsr89 != "Employed-Absent", ]~~

~~black2013a <- black2013a[is.na(black2013a$lfsr89) == FALSE, ]~~

~~nrow(black2013a)~~

~~nrow(black2013a)/nrow(black2013)~~

1. This is true of the BJS data but not the Census data. However, the census data is even less specific, with broad age categories like 18-55, and it involved more estimation than I thought acceptable for the level of certainty I prefer in my claims. [↑](#footnote-ref-1)